

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6297228").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 14:53
L2	20	(("4853224") or ("5164188") or ("5378475") or ("5773019") or ("5869079") or ("6120789") or ("6413245") or ("6413540") or ("6416777")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 14:55
L3	9	(("4853224") or ("5164188") or ("5378475") or ("5773019") or ("5869079") or ("6120789") or ("6413245") or ("6413540") or ("6416777")).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/18 14:55

	U	1	S	C	P	2	Document ID	Issue Date	Pag es
1	X						US 5773019 A	19980630	25
2	X						US 6120789 A	20000919	10
3	X						US 5378475 A	19950103	18
4	X						US 5869079 A	19990209	9
5	X						US 5164188 A	19921117	6
6	X						US 4853224 A	19890801	6
7	X						US 6416777 B1	20020709	21
8	X						US 6413540 B1	20020702	13
9	X						US 6413245 B1	20020702	14

	Inventor	Title
1	Ashton; Paul et al.	Implantable controlled release device to deliver drugs directly to an internal portion of the body
2	Dunn; Richard L.	Non-polymeric sustained release delivery system
3	Smith; Thomas J. et al.	Sustained release drug delivery devices
4	Wong; Vernon et al.	Formulation for controlled release of drugs by combining hydrophilic and hydrophobic agents
5	Wong; Vernon G.	Biodegradable ocular implants
6	Wong; Vernon G.	Biodegradable ocular implants
7	Yaacobi; Yoseph	Ophthalmic drug delivery device
8	Yaacobi; Yoseph	Drug delivery device
9	Yaacobi; Yoseph et al.	Sub-tenon drug delivery

	Current OR	Current XRef	Retrieval Classif	3	4	5
1	424/423	424/427; 514/772.2; 514/772.3; 604/890.1; 604/892.1; 623/6.57				
2	424/426	514/772.3				
3	424/473	424/422; 424/423; 424/424; 424/427; 424/468; 514/772.2; 514/912; 514/914; 604/294; 604/6.01; 604/890.1				
4	424/426	424/423; 514/953				
5	424/428	424/422; 424/423; 424/427; 424/484; 424/486; 514/912; 514/914				
6	424/427	424/423				
7	424/428	424/422; 424/423; 424/427				
8	424/427	424/423				
9	604/264	604/48; 604/521				

	Image Doc. Displayed	PT
1	US 5773019	
2	US 6120789	
3	US 5378475	
4	US 5869079	
5	US 5164188	
6	US 4853224	
7	US 6416777	
8	US 6413540	
9	US 6413245	

Welcome to DIALOG

Dialog level 05.11.05D

Last logoff: 18may06 14:06:23
Logon file001 18may06 15:06:35
* * *

File 1:ERIC 1966-2006/Apr (c) format only 2006 Dialog

Set	Items	Description
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Cost is in DialUnits		
?		
Terminal set to DLINK		
? b 5,34,434,71,155		
18may06 15:06:52 User291213 Session D18.1		
\$0.38 0.109 DialUnits File1		
\$0.38 Estimated cost File1		
\$0.06 TELNET		
\$0.44 Estimated cost this search		
\$0.44 Estimated total session cost 0.109 DialUnits		

SYSTEM:OS - DIALOG OneSearch
File 5:Biosis Previews(R) 1969-2006/May W2
(c) 2006 BIOSIS
File 34:SciSearch(R) Cited Ref Sci 1990-2006/May W2
(c) 2006 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 71:ELSEVIER BIOBASE 1994-2006/May W2
(c) 2006 Elsevier Science B.V.
File 155:MEDLINE(R) 1951-2006/May 22
(c) format only 2006 Dialog

Set	Items	Description
---	---	-----
? s dexamethasone or fluromethalone or medrysone or betamethasone or triamcinolone or triamcinolone or prednisone or prednisolone or hydrocortisone or rimexolone		
134288 DEXAMETHASONE		
0 FLUROMETHALONE		
55 MEDRYSONE		
11600 BETAMETHASONE		
14324 TRIAMCINOLONE		
14324 TRIAMCINOLONE		
72757 PREDNISONE		
62788 PREDNISOLONE		
77400 HYDROCORTISONE		
117 RIMEXOLONE		
S1 344505 DEXAMETHASONE OR FLUROMETHALONE OR MEDRYSONE OR BETAMETHASONE OR TRIAMCINOLONE OR TRIAMCINOLONE OR PREDNISONE OR PREDNISOLONE OR HYDROCORTISONE OR RIMEXOLONE		

?
PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES
? s predinilicarb or deflazacort or halomethasone or tixocortol or prednyliden or diethylaminoacetate or prednival or paramethasone or ? paramethasone or meprednisone or mazipredone or ?fluopredone or ?predone or halcinonide or formocortal or fluocortolone or fluocortin or fluoc? or

flunisolide or flumethasone or fludrocortisone or fluclorinide or enoxolone or difluprednate or diflucortolone or diflorosone or desoximetasone or desonide or descinolone or cortivazol or corticosterone or cortisone or cloprednol or clocortolone or clobetasone or clobetasol or chloroprednisone or cafestol or budesonide or cloprednol or clocortolone or clobetasone or clobetasol or chloroprednisone or cafestol or budesonide or beclomethasone or amcinonide or allopregnane or alclometasone or ?pregnen? or tralonide or diflorasone or deacylcorti? or RU-26988 or oxetanone

>>>File 5 processing for ?PARAMETHASONE stopped at ABSTRACT ANTENNA

RECEPTORS

>>>File 5 processing for ?FLUOPREDONE stopped at ABSTRACT ANTENNA RECEPTORS

>>>File 5 processing for ?PREDONE stopped at ABSTRACT ANTENNA RECEPTORS

>>>File 5 processing for ?PREGNEN? stopped at ABSTRACT ANTENNA RECEPTORS

>>>File 34 processing for ?PARAMETHASONE stopped at ACTIVE-PIXEL SENSORS

>>>File 34 processing for ?FLUOPREDONE stopped at ACTIVE-PIXEL SENSORS

>>>File 34 processing for ?PREDONE stopped at ACTIVE-PIXEL SENSORS

>>>File 34 processing for ?PREGNEN? stopped at ACTIVE-PIXEL SENSORS

>>>File 434 processing for ?PARAMETHASONE stopped at ANGELOYLOXYMAXIMILIANI
N

>>>File 434 processing for ?FLUOPREDONE stopped at ANGELOYLOXYMAXIMILIANIN

>>>File 434 processing for ?PREDONE stopped at ANGELOYLOXYMAXIMILIANIN

>>>File 434 processing for ?PREGNEN? stopped at ANGELOYLOXYMAXIMILIANIN

>>>File 71 processing for ?PARAMETHASONE stopped at ALPHAINFO

1-ACID-GLYCOPROTEIN

>>>File 71 processing for ?FLUOPREDONE stopped at ALPHAINFO 1-ACID-GLYCOPROTEIN
EIN

>>>File 71 processing for ?PREDONE stopped at ALPHAINFO 1-ACID-GLYCOPROTEIN

>>>File 71 processing for ?PREGNEN? stopped at ALPHAINFO 1-ACID-GLYCOPROTEIN

>>>File 155 processing for ?PARAMETHASONE stopped at AKVAARIOKALATKO

>>>File 155 processing for ?FLUOPREDONE stopped at AKVAARIOKALATKO

>>>File 155 processing for ?PREDONE stopped at AKVAARIOKALATKO

>>>File 155 processing for ?PREGNEN? stopped at AKVAARIOKALATKO

0 PREDINICARBATE

1129 DEFLAZACORT

6 HALOMETHASONE

386 TIXOCORTOL

6 PREDNYLIDEN

45 DIETHYLAMINOACETATE

1 PREDNIVAL

369 PARAMETHASONE

0 ?PARAMETHASONE

24 MEPREDNISONE

23 MAZIPREDONE

0 ?FLUOPREDONE

0 ?PREDONE

173 HALCINONIDE

15 FORMOCORTAL

1390 FLUOCORTOLONE

107 FLUOCORTIN

3945 FLUOC?

954 FLUNISOLIDE

610 FLUMETHASONE

2417 FLUDROCORTISONE

0 FLUCLORINIDE

33 ENOXOLONE

48 DIFLUPREDNATE

195 DIFLUCORTOLONE

0 DIFLOROSONE

122 DESOXIMETASONE

180 DESONIDE

0 DESCINOLONE

115	CORTIVAZOL
61754	CORTICOSTERONE
32012	CORTISONE
74	CLOPREDNOL
23	CLOCORTOLONE
348	CLOBETASONE
1823	CLOBETASOL
2	CHLOROPREDNISONE
341	CAFESTOL
10735	BUDESONIDE
74	CLOPREDNOL
23	CLOCORTOLONE
348	CLOBETASONE
1823	CLOBETASOL
2	CHLOROPREDNISONE
341	CAFESTOL
10735	BUDESONIDE
8908	BECLOMETHASONE
165	AMCINONIDE
25	ALLOPREGNANE
103	ALCLOMETASONE
0	?PREGNEN?
1	TRALONIDE
131	DIFLORASONE
45	DEACYLCORTI?
30	RU-26988
123	OXETANONE
S2 121652	PREDINICARBATE OR DEFLAZACORT OR HALOMETHASONE OR TIXOCORTOL OR PREDNYLIDEN OR DIETHYLAMINOACETATE OR PREDNIVAL OR PARAMETHASONE OR ?PARAMETHASONE OR MEPREDNISONE OR MAZIPREDONE OR ?FLUOPREDONE OR ?PREDONE OR HALCINONIDE OR FORMOCORTAL OR FLUOCORTOLONE OR FLUOCORTIN OR FLUOC? OR FLUNISOLIDE OR FLUMETHASONE OR FLUDROCORTISONE OR FLUCLORINIDE OR ENOXOLONE OR DIFLUPREDNATE OR DIFLUCORTOLONE OR DIFLOROSONE OR DESOXIMETASONE OR DESONIDE OR DESCINOLONE OR CORTIVAZOL OR CORTICOSTERONE OR CORTISONE OR CLOPREDNOL OR CLOCORTOLONE OR CLOBETASONE OR CLOBETASOL OR CHLOROPREDNISONE OR CAFESTOL OR BUDESONIDE OR CLOPREDNOL OR CLOCORTOLONE OR CLOBETASONE OR CLOBETASOL OR CHLOROPREDNISONE OR CAFESTOL OR BUDESONIDE OR BECLOMETHASONE OR AMCINONIDE OR ALLOPREGNANE OR ALCLOMETASONE OR ?PREGNEN? OR TRALONIDE OR DIFLORASONE OR DEACYLCORTI? OR RU-26988 OR OXETANONE
? s edema or retinopath?	
193881	EDEMA
66880	RETINOPATH?
S3 257198	EDEMA OR RETINOPATH?
? s s1 and s3	
344505	S1
257198	S3
S4 7468	S1 AND S3
? s s2 and s3	
121652	S2
257198	S3
S5 936	S2 AND S3
? ds	

Set	Items	Description
S1	344505	DEXAMETHASONE OR FLUROMETHALONE OR MEDRYSONE OR BETAMETHAS- ONE OR TRIAMCINOLONE OR TRIAMCINOLONE OR PREDNISONE OR PREDNI-

SOLONE OR HYDROCORTISONE OR RIMEXOLONE
S2 121652 PREDINICARBATE OR DEFLAZACORT OR HALOMETHASONE OR TIXOCORT-
OL OR PREDNYLIDEN OR DIETHYLAMINOACETATE OR PREDNIVAL OR PARA-
METHASONE OR ?PARAMETHASONE OR MEPREDNISONE OR MAZIPREDONE OR
?FLUOPREDONE OR ?PREDONE OR HALCINONIDE OR FORMOCORTAL OR FLU-
OCORTOLONE OR
S3 257198 EDEMA OR RETINOPATH?
S4 7468 S1 AND S3
S5 936 S2 AND S3
? s retinal()edema
276462 RETINAL
193881 EDEMA
S6 779 RETINAL() EDEMA
? s s1 and s6
344505 S1
779 S6
S7 52 S1 AND S6
? rd
S8 36 RD (unique items)
? s s8 and ay<=2003
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
36 S8
0 AY<=2003
S9 0 S8 AND AY<=2003
? s s8 and py<=2003
Processing
Processing
36 S8
53663588 PY<=2003
S10 24 S8 AND PY<=2003
? t s10/abs/all
>>>"ABS" is not a valid format name in file(s): 5, 34, 71, 155, 434
? t s10/3,k/all

10/3,K/1 (Item 1 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0014651384 BIOSIS NO.: 200400018368
Inflammation-mediated retinal edema in the rabbit is inhibited by
topical nepafenac.
AUTHOR: Kapin M A (Reprint); Yanni J M; Brady M T; McDonough T J; Flanagan
J G; Rawji M H; Dahlin D C; Sanders M E; Gamache D A
AUTHOR ADDRESS: Degenerative Disease Research, Alcon Research Ltd., 6201
South Freeway, R2-41, Fort Worth, TX, 76134-2099, USA**USA
AUTHOR E-MAIL ADDRESS: mike.kapin@alconlabs.com
JOURNAL: Inflammation 27 (5): p281-291 October 2003 2003
MEDIUM: print
ISSN: 0360-3997 (ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Inflammation-mediated retinal edema in the rabbit is inhibited by
topical nepafenac.
2003

...ABSTRACT: ability of the nonsteroidal anti-inflammatory drug nepafenac
to prevent development of mitogen-induced pan- retinal edema following
topical ocular application in the rabbit. Anesthetized Dutch Belted

rabbits were injected intravitreally (30...

...analysis of PGE2 in vitreous humor was performed by radioimmunoassay. Inhibition of concanavalin A-induced retinal edema was assessed 72 h after initiation of topical treatment with nepafenac (0.1-1.0%, w/v), dexamethasone (0.1%), VOLTAREN(R) (0.1%), or ACULAR? (0.5%). Concanavalin A elicited marked increases...

...concomitant with the inflammatory response. Topical application of 0.5% nepafenac produced 65% reduction in retinal edema which was correlated with 62% inhibition of blood-retinal barrier breakdown. In a subsequent study...

...topical ocular dosing, suggesting a unique therapeutic potential for a variety of conditions associated with retinal edema.

DESCRIPTORS:

DISEASES: inflammation-mediated retinal edema --

CHEMICALS & BIOCHEMICALS: ...ophthalmic-drug, nonsteroidal antiinflammatory drug, retinal edema inhibitor, topical application

10/3,K/2 (Item 2 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0014604215 BIOSIS NO.: 200300562934

EFFECTS OF TRIAMCINOLONE DOSE AND TIMING ON PHOTODYNAMIC THERAPY WITH VERTEPORFIN IN THE RABBIT CHORIORETINA

AUTHOR: Li R (Reprint); Gibbon K (Reprint); Ip S (Reprint); Kjellbotn R (Reprint); Lenihan C (Reprint); Lewis G (Reprint); Liu L (Reprint); Nelkenbrecher K (Reprint); Smits C (Reprint); Margaron P (Reprint)

AUTHOR ADDRESS: Preclinical Pharmacology, QLT Inc., Vancouver, BC, Canada** Canada

JOURNAL: ARVO Annual Meeting Abstract Search and Program Planner 2003 p Abstract No. 5005 2003 2003

MEDIUM: cd-rom

CONFERENCE/MEETING: Annual Meeting of the Association for Research in Vision and Ophthalmology Fort Lauderdale, FL, USA May 04-08, 2003; 20030504

SPONSOR: Association for Research in Vision and Ophthalmology

DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster

RECORD TYPE: Abstract

LANGUAGE: English

EFFECTS OF TRIAMCINOLONE DOSE AND TIMING ON PHOTODYNAMIC THERAPY WITH VERTEPORFIN IN THE RABBIT CHORIORETINA

2003

...ABSTRACT: the iatrogenic effects of PDT and prolong therapeutic benefit. In this study, intravitreal administration of triamcinolone acetonide (TA) was assessed for its potential to inhibit inflammation induced by PDT with verteporfin...

...with TA after PDT using 15 J/cm², but not 25 J/cm², exhibited less retinal edema. TA significantly suppressed CD45 and MHC II expression evoked by both PDT regimens by up...

...REGISTRY NUMBERS: triamcinolone acetonide

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ... triamcinolone acetonide

10/3,K/3 (Item 3 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0014560496 BIOSIS NO.: 200300515859

Indocyanine green-mediated photothrombosis combined with intravitreal triamcinolone for the treatment of choroidal neovascularization in serpiginous choroiditis.

AUTHOR: Navajas E V; Costa R A (Reprint); Farah M E; Cardillo J A; Bonomo P P

AUTHOR ADDRESS: Rua Italia 1905, Apto 74, Araraquara, SP, 14801-350, Brazil
**Brazil

AUTHOR E-MAIL ADDRESS: roger.retina@globo.com

JOURNAL: Eye (Basingstoke) 17 (5): p563-566 July 2003 2003

MEDIUM: print

ISSN: 0950-222X

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

Indocyanine green-mediated photothrombosis combined with intravitreal triamcinolone for the treatment of choroidal neovascularization in serpiginous choroiditis.

2003

...ABSTRACT: that was treated by a single indocyanine green (ICG)-mediated photothrombosis session combined to intravitreous triamcinolone acetonide (TA) injection. Methods Interventional case report. A 48-year-old patient with peripapillary CNV...

...REGISTRY NUMBERS: triamcinolone acetonide

DESCRIPTORS:

...DISEASES: retinal edema --

CHEMICALS & BIOCHEMICALS: ... triamcinolone acetonide

10/3,K/4 (Item 4 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0014512512 BIOSIS NO.: 200300481231

Treatment of ocular manifestations of Behcet's disease.

BOOK TITLE: Adamantiades-Behcet's Disease

AUTHOR: Davatchi F (Reprint)

BOOK AUTHOR/EDITOR: Zouboulis Christos C (Editor)

AUTHOR ADDRESS: Behcet's Disease Unit, Rheumatology Research Center, Tehran University for Medical Sciences, Shariati Hospital, Tehran, Iran**Iran

SERIES TITLE: Advances in Experimental Medicine and Biology Volume 528 p

487-491 2003

MEDIUM: print

BOOK PUBLISHER: Kluwer Academic/Plenum Publishers, 233 Spring Street, New York, NY, 10013-1578, USA

CONFERENCE/MEETING: 10th International Symposium on Behcet's Disease Berlin, Germany June 27-29, 2002; 20020627

ISSN: 0065-2598 ISBN: 0-306-47757-2 (cloth)

DOCUMENT TYPE: Book Chapter; Meeting; Meeting Paper

RECORD TYPE: Citation

LANGUAGE: English

2003

...REGISTRY NUMBERS: prednisone
DESCRIPTORS:
...DISEASES: retinal edema --
CHEMICALS & BIOCHEMICALS: ... prednisone --

10/3,K/5 (Item 5 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0014394231 BIOSIS NO.: 200300352950
Acute posterior multifocal placoid pigment epitheliopathy associated with adenovirus infection.
AUTHOR: Thomson S P S (Reprint); Roxburgh S T D
AUTHOR ADDRESS: Ophthalmology Department, Royal Bournemouth Hospital, Castle Lane East, Bournemouth, BH7 7DW, UK**UK
AUTHOR E-MAIL ADDRESS: st2@whsmithnet.co.uk
JOURNAL: Eye (Basingstoke) 17 (4): p542-544 May 2003 2003
MEDIUM: print
ISSN: 0950-222X
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: English

2003

...REGISTRY NUMBERS: prednisolone
DESCRIPTORS:
...DISEASES: retinal edema --
CHEMICALS & BIOCHEMICALS: ... prednisolone --

10/3,K/6 (Item 6 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0014195945 BIOSIS NO.: 200300154664
Optical Coherence Tomography Evaluation after Intravitreal Triamcinolone Acetonide for the Treatment of Exudative Age-related Macular Degeneration.
AUTHOR: Abrantes M L (Reprint); Farah M E (Reprint); Costa R A (Reprint); Cardillo J A (Reprint); Bonomo P P (Reprint)
AUTHOR ADDRESS: Retina and Vitreous Section, Paulista School of Medicine, Federal University of Sao Paulo, Brazil**Brazil
JOURNAL: ARVO Annual Meeting Abstract Search and Program Planner 2002 p Abstract No. 2494 2002 2002
MEDIUM: cd-rom
CONFERENCE/MEETING: Annual Meeting of the Association For Research in Vision and Ophthalmology Fort Lauderdale, Florida, USA May 05-10, 2002; 20020505
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

Optical Coherence Tomography Evaluation after Intravitreal Triamcinolone Acetonide for the Treatment of Exudative Age-related Macular Degeneration.
2002

ABSTRACT: Purpose: To describe optical coherence tomography (OCT) findings after a single intravitreal injection of triamcinolone acetonide (TAAC)

for the treatment of exudative age related macular degeneration (AMD).
Methods: Eighteen eyes...

...no complications related to the procedure. Conclusion: This study suggests that short-term reduction of retinal edema can be achieved after a single intravitreal injection of TAAC for the treatment of exudative...

...REGISTRY NUMBERS: triamcinolone acetonide

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: triamcinolone acetonide...

10/3,K/7 (Item 7 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0013939130 BIOSIS NO.: 200200532641

A case of Vogt-Koyanagi-Harada disease simulating acute posterior multifocal placoid pigment epitheliopathy

AUTHOR: Tani Shuzo (Reprint); Tamai Hiroko

AUTHOR ADDRESS: Department of Ophthalmology, Midori Shimin Hospital, 1-77 Shiomigaoka Midori-ku, Nagoya-shi, 458-0037, Japan**Japan

JOURNAL: Rinsho Ganka 56 (5): p809-812 May, 2002 2002

MEDIUM: print

ISSN: 0370-5579

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: Japanese

2002

...ABSTRACT: inflammatory findings were present in the anterior segment or the vitreous. Both eyes showed peripapillary retinal edema and multiple yellow-white placoid patches in the posterior fundus area.. Fluorescein angiography showed dye...

...to the diagnosis of Vogt-Koyanagi-Harada (VKH) disease. Signs of inflammation subsided following systemic prednisolone . This case illustrates that VKH disease may simulate acute posterior multifocal placoid pigment epitheliopathy (APMPPE...)

...REGISTRY NUMBERS: prednisolone

DESCRIPTORS:

...DISEASES: peripapillary retinal edema --

CHEMICALS & BIOCHEMICALS: prednisolone --

10/3,K/8 (Item 8 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0013611615 BIOSIS NO.: 200200205126

Hydrocortisone decreases retinal endothelial cell water and solute flux coincident with increased content and decreased phosphorylation of occludin

AUTHOR: Antonetti David A (Reprint); Wolpert Ellen B; Demaio Lucas; Harhaj Nicole S; Scaduto Russell C Jr

AUTHOR ADDRESS: Department of Cellular and Molecular Physiology, Pennsylvania State College of Medicine, 500 University Drive, Hershey, PA, 17033, USA**USA

JOURNAL: Journal of Neurochemistry 80 (4): p667-677 February, 2002 2002

MEDIUM: print
ISSN: 0022-3042
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Hydrocortisone decreases retinal endothelial cell water and solute flux coincident with increased content and decreased phosphorylation...
2002

...ABSTRACT: known about the mechanism by which these hormones affect endothelial cell function. We hypothesized that hydrocortisone would reduce transport of water and solutes across bovine retinal endothelial cell (BREC) monolayers coincident...

...similar two-fold increase in occludin mRNA was observed by real-time PCR. Immunocytochemistry revealed hydrocortisone dramatically increased both occludin and ZO-1 staining at the cell border. Additionally, 4 h of hydrocortisone treatment significantly reduced occludin phosphorylation. To our knowledge, this is the first example of a regulated decrease in occludin phosphorylation associated with increased barrier properties. In conclusion, hydrocortisone directly affects retinal endothelial cell barrier properties coincident with changes in occludin content, phosphorylation and tight junction assembly. Localized hydrocortisone therapy may be developed as a treatment option for patients suffering from retinal edema due to diabetes.

...REGISTRY NUMBERS: hydrocortisone ;

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ... hydrocortisone --

10/3,K/9 (Item 9 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0011791189 BIOSIS NO.: 199900050849
Massive systemic corticosteroid for Harada's disease
AUTHOR: Wang Yanling (Reprint); Kawahara Sumie; Uyama Masanobu
AUTHOR ADDRESS: Dep. Ophthalmology, Kansai Med. Univ., 10-15 Fumizono-cho,
Moriguchi-shi, Osaka 570-0074, Japan**Japan
JOURNAL: Rinsho Ganka 52 (10): p1699-1703 Oct., 1998 1998
MEDIUM: print
ISSN: 0370-5579
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Japanese

1998

...ABSTRACT: with massive corticosteroid during the past 4 years. An equivalent of 100 to 200 mg prednisolone per day was given as the initial dosis, to be tapered off according to the...

...of treatment. It took an average of 36 days before resolution of retinal detachment or retinal edema in the posterior fundus. Some cases needed longer before the ICG findings to improve. Corticosteroid...

...REGISTRY NUMBERS: prednisolone

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ... prednisolone --

10/3,K/10 (Item 10 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0011562940 BIOSIS NO.: 199800357187

Ocular involvement and visual sequelae in hemophagocytic lymphohistiocytosis in association with congenital dysfibrinogenemia
AUTHOR: Matsubara Kousaku (Reprint); Nigami Hiroyuki; Harigaya Hidekazu; Baba Kunizou; Iwami Mika; Hojo Makoto; Imashuku Shinsaku
AUTHOR ADDRESS: Dep. Pediatr., Nishi-Kobe Med. Cent., 5-7-1 Koujidai, Nishi-ku, Kobe 651-2273, Japan**Japan
JOURNAL: Pediatric Hematology and Oncology 15 (4): p365-370 July-Aug., 1998 1998
MEDIUM: print
ISSN: 0888-0018
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

1998

...ABSTRACT: She was also verified to be complicated with dysfibrinogenemia. The patient was treated with etoposide, dexamethasone, and cyclosporin A. During the fifth hospital week, a generalized tonic-clonic convulsion developed followed...
...regained full consciousness, she complained of a visual disturbance. The ophthalmologic examination showed bilateral extensive retinal edema with numerous cotton-wool spots, indicative of vaso-occlusive retinopathy. This is inconsistent with the...
...REGISTRY NUMBERS: dexamethasone ;
DESCRIPTORS:
...DISEASES: retinal edema --
CHEMICALS & BIOCHEMICALS: ... dexamethasone --

10/3,K/11 (Item 11 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0009747278 BIOSIS NO.: 199598215111

Toxicity of steroid added to intravitreal irrigation solution in monkey eyes
AUTHOR: Shimada H; Sato Y; Nakajima M; Matsui M
AUTHOR ADDRESS: Nihon Univ. Sch. Med., Tokyo, Japan**Japan
JOURNAL: Investigative Ophthalmology and Visual Science 36 (4): pS158 1995 1995
CONFERENCE/MEETING: Annual Meeting of the Association for Research in Vision and Ophthalmology Fort Lauderdale, Florida, USA May 14-19, 1995; 19950514
ISSN: 0146-0404
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Citation
LANGUAGE: English

1995

...REGISTRY NUMBERS: DEXAMETHASONE PHOSPHATE
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ... DEXAMETHASONE PHOSPHATE
MISCELLANEOUS TERMS: ... DEXAMETHASONE PHOSPHATE ESTER...

... RETINAL EDEMA ;

10/3, K/12 (Item 12 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0007203139 BIOSIS NO.: 199089121030
A CASE OF JUVENILE RHEUMATOID ARTHRITIS WITH PANUVEITIS
AUTHOR: AMANO S (Reprint); MOCHIZUKI M
AUTHOR ADDRESS: DEP OPHTHALMOL, FAC MED, UNIV TOKYO, 7-3-1, HONGO,
BUNKYO-KU, TOKYO 113, JPN**JAPAN
JOURNAL: Rinsho Ganka 44 (2): p205-208 1990
ISSN: 0370-5579
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: JAPANESE

1990

...ABSTRACT: during the foregoing 4 weeks. He manifested, bilaterally, iridocyclitis, papilledema, dilated retinal veins and diffuse retinal edema. Fluorescein angiography showed diffuse leakage of dye from the choroid. The ocular and systemic findings inclusive of laboratory data were compatible with the diagnosis of juvenile rheumatoid arthritis. Peroral prednisolone for 7 months resulted in clinical cure of uveitis. No recurrence of uveitis has been observed during 8 months after withdrawal of prednisolone. The present case illustrates the possibility that posterior uveitis may develop in association of juvenile

...
...REGISTRY NUMBERS: PREDNISOLONE
DESCRIPTORS: HUMAN PREDNISOLONE ANTIINFLAMMATORY-DRUG IRIDOCYCLITIS
PAPILLEDEMA ANGIOGRAPHY
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: PREDNISOLONE

10/3, K/13 (Item 13 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0006765266 BIOSIS NO.: 198988080381
EFFECTS OF INTRAVITREAL STEROID INJECTION ON RABBIT EYE
AUTHOR: SHIMADA H (Reprint); MATSUI M
AUTHOR ADDRESS: DEP OPHTHALMOL, NIHON UNIV SCH MED, 1-8-13,
KANDA-SURUGADAI, CHIYODA-KU, TOKYO 101, JPN**JAPAN
JOURNAL: Nippon Ganka Gakkai Zasshi 93 (4): p501-510 1989
ISSN: 0029-0203
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: JAPANESE

1989

...ABSTRACT: anti-prostaglandin agent had the capability of preventing the occurrence of blood-ocular barrier disruptions, retinal edema and post-operative inflammation following vitrectomy. However, not only prostaglandins but also leukotrienes, noted for...

...of steroids on intraocular tissue. After paracentesis, 36 eyes of 18

rabbits were injected with **dexamethasone** sodium phosphate or **betamethasone** sodium phosphate, suspended in 0.3 ml of distilled water. Each steroid has the same...

...REGISTRY NUMBERS: **DEXAMETHASONE SODIUM PHOSPHATE...**

... **BETAMETHASONE SODIUM PHOSPHATE**

DESCRIPTORS: LEUKOTRIENES **DEXAMETHASONE SODIUM PHOSPHATE BETAMETHASONE SODIUM PHOSPHATE** OPHTHALMIC AGENT SALINE IRRIGATION SOLUTION VITRECTOMY PARACENTESIS CORNEAL EDEMA RETINAL EDEMA PROLIFERATIVE VITREORETINOPATHY RETINAL DEGENERATION CILIARY BODY DEGENERATION POSTERIOR FUNDUS VITREAL FIBRIN FORMATION BLOOD-OCULAR BARRIER...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: **DEXAMETHASONE SODIUM PHOSPHATE...**

... **BETAMETHASONE SODIUM PHOSPHATE**

10/3,K/14 (Item 1 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

10655903 Genuine Article#: 551VH No. References: 13
Title: **A new case of acute idiopathic frosted branch angiitis in Europe**
Author(s): Huerva V (REPRINT) ; Puig T; Sanchez MC; Jurjo C; Asenjo J
Corporate Source: C Rio Ara 20/Fraga 22520/Huesca/Spain/ (REPRINT); Univ Hosp Arnau Vilanova,Dept Ophthalmol,Lleida//Spain/; Univ Hosp Arnau Vilanova,Dept Internal Med,Lleida//Spain/
Journal: **EUROPEAN JOURNAL OF OPHTHALMOLOGY**, 2002, V12, N2 (MAR-APR), P 127-130
ISSN: 1120-6721 Publication date: 20020300
Publisher: WICHTIG EDITORE, 72/74 VIA FRIULI, 20135 MILAN, ITALY
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

, 2002

...Abstract: both eyes. White exudates surrounding the retinal veins from the posterior pole to the periphery, **retinal edema** and hemorrhages in both eyes were evident on ophthalmoscopy. Fluorescein angiography showed leakage of the...

...specific inflammatory reaction was found on anatomicopathologic study. The patient was started on 90 mg **prednisolone** daily. After two weeks retinal vasculitis had improved and the lymphadenopathies soon resolved. Small, hard exudates were present in the posterior pole during absorption of the **retinal edema** and resolution of the vascular inflammation. Systemic **prednisolone** were reduced progressively and definitively withdrawn two months later. The patient's visual acuity was...

10/3,K/15 (Item 2 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

10615852 Genuine Article#: 548FN No. References: 28
Title: **Evaluation of a novel biomaterial in the suprachoroidal space of the rabbit eye**
Author(s): Einmahl S; Savoldelli M; D'Hermies F; Tabatabay C; Gurny R (REPRINT) ; Behar-Cohen F
Corporate Source: Univ Geneva,Dept Pharmaceut Technol & Biopharmaceut, Sch Pharm,30 Quai Ernest Ansermet/CH-1211 Geneva 4//Switzerland/ (REPRINT) ;

Univ Geneva,Dept Pharmaceut Technol & Biopharmaceut, Sch Pharm,CH-1211
Geneva 4//Switzerland//; INSERM,Lab U450,Paris//France//; Hop Hotel
Dieu,Dept Ophthalmol,Paris//France/
Journal: INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, 2002 , V43, N5 (MAY
) , P1533-1539
ISSN: 0146-0404 Publication date: 20020500
Publisher: ASSOC RESEARCH VISION OPHTHALMOLOGY INC, 9650 ROCKVILLE PIKE,
BETHESDA, MD 20814-3998 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

, 2002
...Abstract: for 3 weeks. Angiography revealed minor pigment irregularities
at the site of injection, but no retinal edema or necrosis.
Histology showed that POE was well tolerated in the choroid.
CONCLUSIONS. POE suprachoroidal...
...Identifiers--BIOERODIBLE POLY(ORTHO ESTER); DRUG-DELIVERY SYSTEMS;
CHOROIDAL NEOVASCULARIZATION; MACULAR DEGENERATION; RELEASE;
BIOCOMPATIBILITY; 5-FLUOROURACIL; DEXAMETHASONE; STERILIZATION;
ANGIOGENESIS

10/3,K/16 (Item 1 from file: 71)
DIALOG(R) File 71:ELSEVIER BIOBASE
(c) 2006 Elsevier Science B.V. All rts. reserv.

00908993 1998149646
Ocular involvement and visual sequelae in hemophagocytic
lymphohistiocytosis in association with congenital dysfibrinogenemia
Matsubara K.; Nigami H.; Harigaya H.; Baba K.; Iwami M.; Hojo M.; Imashuku
S.
ADDRESS: Dr. K. Matsubara, Department of Pediatrics, Nishi-Kobe Medical
Center, 5-7-1 Koujidai, Nishi-ku, Kobe 651-2273, Japan
Journal: Pediatric Hematology and Oncology, 15/4 (365-370), 1998 , United
States
PUBLICATION DATE: 19980000
CODEN: PHONE
ISSN: 0888-0018
DOCUMENT TYPE: Article
LANGUAGES: English SUMMARY LANGUAGES: English
NO. OF REFERENCES: 10

, 1998
...She was also verified to be complicated with dysfibrinogenemia. The
patient was treated with etoposide, dexamethasone, and cyclosporin A.
During the fifth hospital week, a generalized tonic-clonic convulsion
developed followed...
...regained full consciousness, she complained of a visual disturbance. The
ophthalmologic examination showed bilateral extensive retinal edema
with numerous cotton-wool spots, indicative of vaso-occlusive retinopathy.
This is inconsistent with the...

10/3,K/17 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

14383705 PMID: 12842206
Two cases of uveitis with tubulointerstitial nephritis in HTLV-1

carriers.

Deguchi Hiroko Eida; Amemiya Tsugio
Department of Ophthalmology and Visual Sciences, Graduate School of
Biomedical Sciences, Nagasaki University, Nagasaki, Japan.
hiroko-eida@ma5.seikyou.ne.jp
Japanese journal of ophthalmology (United States) Jul-Aug 2003 , 47
(4) p372-8, ISSN 0021-5155--Print Journal Code: 0044652
Publishing Model Print
Document type: Case Reports; Journal Article; Review
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 2003 ,

... human T lymphotropic virus, type 1 (HTLV-1). She had tubulointerstitial nephritis, anterior uveitis, posterior retinal edema in the right eye, and peripheral vasculitis OU. Case 2 was a 56-year-old

...; Humans; Kidney--pathology--PA; Middle Aged; Nephritis, Interstitial--diagnosis--DI; Nephritis, Interstitial--drug therapy--DT; Prednisone--therapeutic use--TU; Retinal Vasculitis--diagnosis--DI; Retinal Vasculitis--drug therapy--DT; Retinal Vasculitis--etiology...

Chemical Name: Anti-Inflammatory Agents; Prednisone

10/3,K/18 (Item 2 from file: 155)

DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

09959776 PMID: 8090086

Uveitis in nephrotic syndrome.
Iwasaki M; Kusumoto Y; Amemiya T
Department of Ophthalmology, Ohmura City Hospital, Nagasaki, Japan.
Metabolic, pediatric, and systemic ophthalmology (New York, N.Y. - 1985)
(UNITED STATES) 1993 , 16 (3-4) p46-8, ISSN 0882-889X--Print
Journal Code: 8800197
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1993 ,

... the anterior chamber, fine granular keratitic precipitates on the posterior surface of the cornea and retinal edema around the optic disc. Diabetes mellitus had been diagnosed, but it was considered to be...
; Adult; Betamethasone --therapeutic use--TU; Diabetes Complications; Humans; Nephrotic Syndrome--drug therapy--DT; Prednisolone --therapeutic use--TU; Uveitis--pathology--PA
Chemical Name: Betamethasone ; Prednisolone

10/3,K/19 (Item 3 from file: 155)

DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

09934402 PMID: 8154268

Acute frosted retinal periphlebitis.

Atmaca L S; Gunduz K

Vitreoretinal Department, Ankara University, Turkey.

Acta ophthalmologica (DENMARK) Dec 1993 , 71 (6) p856-9, ISSN 0001-639X--Print Journal Code: 0370347
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1993 ,
... year-old woman developed bilateral acute vision loss without any systemic symptoms. There was diffuse retinal edema and thick perivenous sheathing with moderate vitreous inflammation. Fluorescein angiography showed late staining and dye...

...; Disease; Adult; Eye--pathology--PA; Fibrosis; Fluorescein Angiography; Fundus Oculi; Humans; Phlebitis--drug therapy--DT; Prednisolone --therapeutic use--TU; Retinal Diseases--diagnosis--DI; Retinal Diseases--drug therapy--DT; Retinal Vessels--drug...

Chemical Name: Prednisolone

10/3,K/20 (Item 4 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

09709020 PMID: 8192734
[A 50-year-old man with metamorphopsia and optic nerve swelling]
Nakajima Y; Kitada T; Mizutani Y; Yamamoto Y; Kuwabara N; Sato T; Kondo T ; Mizuno Y
Department of Neurology, Juntendo University School of Medicine, Tokyo, Japan.
No to shinkei. Brain and nerve (JAPAN) May 1993 , 45 (5) p485-92,
ISSN 0006-8969--Print Journal Code: 0413550
Publishing Model Print
Document type: Case Reports; Clinical Conference; Journal Article ; English Abstract
Languages: JAPANESE
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1993 ,
We report a 50-year-old male having metamorphopsia associated with retinal edema . He was well until one month prior to the present admission when he developed occipital...

... in no acute distress with well preserved general conditions. Only neurological abnormalities were bilateral papilledema, retinal edema and horizontal nystagmus with a rotatory component. Routine blood chemistries were unremarkable. The CSF contained...

...He was treated with ventriculoperitoneal shunt and Ommaya tube placement through which methotrexate, cytarabine and prednisolone were administered. He was also treated with systemic cisplatin, mitomycin-C and 5-fluorouracil. With...

10/3,K/21 (Item 5 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

09471637 PMID: 1476396

A case of frosted-branch retinal angiitis in a child.
Nakai A; Saika S
Department of Ophthalmology, Wakayama Medical College, Japan.
Annals of ophthalmology (UNITED STATES) Nov 1992 , 24 (11) p415-7,
ISSN 0003-4886--Print Journal Code: 0210137
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1992 ,
... a 3-year-old girl. She had acute visual disturbances OU, and we observed iritis, retinal edema , and retinal angiitis. Retinal angiitis showed the same condition as previously described, the so-called...
...; Edema--pathology--PA; Fluorescein Angiography; Fundus Oculi; Humans; Iritis--drug therapy--DT; Iritis--pathology--PA; Prednisolone --therapeutic use--TU; Retinal Diseases--drug therapy--DT; Retinal Diseases--pathology--PA; Vasculitis--drug therapy...
Chemical Name: Prednisolone

10/3,K/22 (Item 6 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

08914240 PMID: 1651642
[A case of presumed radiation optic neuropathy]
Atsumi O; Sakuraba T; Kimura S; Narita K; Maeda S
Department of Ophthalmology, Hirosaki University, School of Medicine, Japan.
Nippon Ganka Gakkai zasshi (JAPAN) May 1991 , 95 (5) p504-10,
ISSN 0029-0203--Print Journal Code: 7505716
Publishing Model Print
Document type: Case Reports; Journal Article ; English Abstract
Languages: JAPANESE
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1991 ,
... relative afferent pupillary defect and dense central scotoma. Funduscopy revealed optic disc swelling with surrounding retinal edema and small hemorrhage in the right eye. Fluorescein angiography revealed a hypoperfusion area and obstruction...

... posterior pole, but this was not large enough to explain the dense central scotoma. Although prednisolone therapy gave temporary improvement, the visual function gradually deteriorated.

10/3,K/23 (Item 7 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

08209799 PMID: 2801353
[Effects of intravitreal steroid injection on rabbit eye]
Shimada H; Matsui M
Nippon Ganka Gakkai zasshi (JAPAN) Apr 1989 , 93 (4) p501-10,
ISSN 0029-0203--Print Journal Code: 7505716
Publishing Model Print

Document type: Journal Article ; English Abstract
Languages: JAPANESE
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1989 ,
... anti-prostaglandin agent had the capability of preventing the occurrence of blood-ocular barrier disruptions, retinal edema and post-operative inflammation following vitrectomy. However, not only prostaglandins but also leukotrienes, noted for...

... of steroids on intraocular tissue. After paracentesis, 36 eyes of 18 rabbits were injected with dexamethasone sodium phosphate or betamethasone sodium phosphate, suspended in 0.3 ml of distilled water. Each steroid has the same...

Descriptors: *Betamethasone --analogs and derivatives--AA; *Dexamethasone --analogs and derivatives--AA; *Eye Diseases--chemically induced--CI; Animals; Betamethasone --administration and dosage--AD; Betamethasone --toxicity--TO; Dexamethasone --administration and dosage--AD; Dexamethasone --toxicity--TO; English Abstract; Injections; Rabbits; Vitreous Body--drug effects--DE
Chemical Name: betamethasone sodium phosphate; dexamethasone 21-phosphate; Betamethasone ; Dexamethasone

10/3, K/24 (Item 8 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

05379153 PMID: 7453042
[Acute generalized retinal periphlebitis (author's transl)]
Die akute generalisierte Periphlebitis retinae.
Bleckmann H; Norderhus G
Klinische Monatsblatter fur Augenheilkunde (GERMANY, WEST) Jul 1980 ,
177 (1) p70-4, ISSN 0023-2165--Print Journal Code: 0014133
Publishing Model Print
Document type: Case Reports; Journal Article ; English Abstract
Languages: GERMAN
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1980 ,
... man with acute impairment of vision (blurring) who was subsequently found to have extensive bilateral retinal edema with hemorrhages at posterior pole. A striking feature was the periphlebitic sheathing in this area...
; Acute Disease; Adult; English Abstract; Fluorescein Angiography; Humans
; Prednisolone --therapeutic use--TU; Retinal Hemorrhage--diagnosis--DI;
Virus Diseases--diagnosis--DI; Visual Acuity--drug effects...
Chemical Name: Prednisolone
? ds

Set	Items	Description
S1	344505	DEXAMETHASONE OR FLUROMETHALONE OR MEDRYSONE OR BETAMETHASONE OR TRIAMCINOLONE OR TRIAMCINOLONE OR PREDNISONE OR PREDNISOLONE OR HYDROCORTISONE OR RIMEXOLONE
S2	121652	PREDINICARBATE OR DEFLAZACORT OR HALOMETHASONE OR TIXOCORTOL OR PREDNYLIDEN OR DIETHYLAMINOACETATE OR PREDNIVAL OR PARAMETHASONE OR ?PARAMETHASONE OR MEPREDNISONE OR MAZIPREDONE OR ?FLUOPREDONE OR ?PREDONE OR HALCINONIDE OR FORMOCORTAL OR FLU-

OCORTOLONE OR
 S3 257198 EDEMA OR RETINOPATH?
 S4 7468 S1 AND S3
 S5 936 S2 AND S3
 S6 779 RETINAL() EDEMA
 S7 52 S1 AND S6
 S8 36 RD (unique items)
 S9 0 S8 AND AY<=2003
 S10 24 S8 AND PY<=2003
 ? s s6 and s2
 779 S6
 121652 S2
 S11 1 S6 AND S2
 ? t s11/3,k/all

11/3,K/1 (Item 1 from file: 5)
 DIALOG(R) File 5:Biosis Previews(R)
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0003186438 BIOSIS NO.: 198171005397
THERAPY OF THE EDEMA IN OCULAR VASCULAR OCCLUSIONS
 AUTHOR: BRUNO C (Reprint); CASANO G L; PONTE F
 AUTHOR ADDRESS: IST CLIN OCULISTICA, UNIV PALERMO**ITALY
 JOURNAL: Bollettino di Oculistica 58 (1-2): p57-64 1979
 ISSN: 0006-677X
 DOCUMENT TYPE: Article
 RECORD TYPE: Abstract
 LANGUAGE: ITALIAN

ABSTRACT: The different forms of retinal edema in humans occurring during occlusive affections of the optic nerve and retinal circulation were classified. These classes were chronic ischemic retinal edema, acute ischemic retinal edema, venous stasis retinal edema and ischemic optic nerve edema. The efficacy of peribulbar cortisone treatment in these forms is presented. Venous stasis retinal edema and ischemic optic edema are discussed.

...REGISTRY NUMBERS: CORTISONE

DESCRIPTORS: HUMAN OPTIC NERVE RETINA CORTISONE OPHTHALMIC-DRUG

ANTIINFLAMMATORY

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: CORTISONE
 ? ds

Set	Items	Description
S1	344505	DEXAMETHASONE OR FLUROMETHALONE OR MEDRYSONE OR BETAMETHASONE OR TRIAMCINOLONE OR TRIAMCINOLONE OR PREDNISONE OR PREDNISOLONE OR HYDROCORTISONE OR RIMEXOLONE
S2	121652	PREDINICARBATE OR DEFLAZACORT OR HALOMETHASONE OR TIXOCORTOL OR PREDNYLIDEN OR DIETHYLAMINOACETATE OR PREDNIVAL OR PARAMETHASONE OR ?PARAMETHASONE OR MEPREDNISONE OR MAZIPREDONE OR ?FLUOPREDONE OR ?PREDONE OR HALCINONIDE OR FORMOCORTAL OR FLUCORTOLONE OR
S3	257198	EDEMA OR RETINOPATH?
S4	7468	S1 AND S3
S5	936	S2 AND S3
S6	779	RETINAL() EDEMA
S7	52	S1 AND S6
S8	36	RD (unique items)
S9	0	S8 AND AY<=2003

```
S10      24  S8 AND PY<=2003
S11      1  S6 AND S2
? s diabetic()retino?
    368258  DIABETIC
    288138  RETINO?
S12  34523  DIABETIC()RETINO?
? s s12 and s1
    34523  S12
    344505  S1
S13  446  S12 AND S1
? s proliferative and (diabetic()retino?)
    192849  PROLIFERATIVE
    368258  DIABETIC
    288138  RETINO?
    34523  DIABETIC(W)RETINO?
S14  7759  PROLIFERATIVE AND (DIABETIC()RETINO?)
? s s14 and s1
    7759  S14
    344505  S1
S15  99  S14 AND S1
? rd
    S16  66  RD  (unique items)
? s s16 and py<=2003
Processing
    66  S16
    53663588  PY<=2003
S17  28  S16 AND PY<=2003
? t s17/3,k/all
```

17/3,K/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0014768402 BIOSIS NO.: 200400135756
Possible benefits of triamcinolone -assisted pars plana vitrectomy for
retinal diseases.
AUTHOR: Enaida Hiroshi; Hata Yasuaki; Ueno Akifumi; Nakamura Takao;
Hisatomi Toshio; Miyazaki Miho; Fujisawa Kimihiko; Sakamoto Taiji;
Ishibashi Tatsuro (Reprint)
AUTHOR ADDRESS: Department of Ophthalmology, Graduate School of Medical
Sciences, Kyushu University, 3-1-1 Maidashi, Higashi-ku, Fukuoka,
812-8582, Japan**Japan
AUTHOR E-MAIL ADDRESS: ishi@eye.med.kyushu-u.ac.jp
JOURNAL: Retina 23 (6): p764-770 December 2003 2003
MEDIUM: print
ISSN: 0275-004X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Possible benefits of triamcinolone -assisted pars plana vitrectomy for
retinal diseases.

2003

ABSTRACT: Purpose: To study the advantages and complications of
triamcinolone acetonide (TA)-assisted pars plana vitrectomy (PPV) for
various retinal diseases. Methods: This report is...

...mmHg after the operation, with no statistically significant difference
(P = 0.63). Four eyes with proliferative diabetic retinopathy in
group TA(+) and five eyes with proliferative diabetic retinopathy

in group TA(-) needed an additional filtering surgery. Group TA(+) (five eyes) had a lower...

...13 eyes). No apparent corneal disorder or infectious signs were found in any eyes. Conclusions: **Triamcinolone** acetonide-assisted PPV appears to be potentially useful to reduce the incidence of reoperation owing...

...REGISTRY NUMBERS: **triamcinolone** acetonide

DESCRIPTORS:

DISEASES: **proliferative diabetic retinopathy** --

MESH TERMS: **Diabetic Retinopathy** (MeSH...)

CHEMICALS & BIOCHEMICALS: **triamcinolone** acetonide...

17/3, K/2 (Item 2 from file: 5)

DIALOG(R) File 5:Biosis Previews(R)

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0014595914 BIOSIS NO.: 200300552345

VITREOUS LEVELS OF VEGF AND SDF - 1 IN PATIENTS WITH DIABETIC RETINOPATHY

AUTHOR: Brooks H L (Reprint); Newell C K (Reprint); Steinmetz R L (Reprint); Fortin J (Reprint); Caballero S; Grant M B

AUTHOR ADDRESS: Southern Vitreoretinal Assoc PA, Tallahassee, FL, USA**USA

JOURNAL: ARVO Annual Meeting Abstract Search and Program Planner 2003 p Abstract No. 4285 2003 2003

MEDIUM: cd-rom

CONFERENCE/MEETING: Annual Meeting of the Association for Research in Vision and Ophthalmology Fort Lauderdale, FL, USA May 04-08, 2003; 20030504

SPONSOR: Association for Research in Vision and Ophthalmology

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

VITREOUS LEVELS OF VEGF AND SDF - 1 IN PATIENTS WITH DIABETIC RETINOPATHY

2003

ABSTRACT: Purpose: **Proliferative diabetic retinopathy** (PDR), the leading cause of adult blindness, is characterized by aberrant neovascularization (NV). Endothelial cell...

...SDF-1 and VEGF in the vitreous fluid of diabetic patients with varying degrees of **diabetic retinopathy** and cystoid macular edema (CME) before and after intraocular injection of **Triamcinolone**. Methods: In this prospective study, 40 patients were included. 27 eyes were classified as nonproliferative **diabetic retinopathy** (NPDR), 11 eyes were classified as inactive **proliferative diabetic retinopathy** (PDR) with CME, 12 eyes with mild PDR with or without CME, 20 eyes with ...

...the iris (NVI). Vitreous (0.5-0.6 ml) was obtained prior to injection of **Triamcinolone** 4 mg. VEGF and SDF-1 were measured by ELISA. Results: Vitreous levels of both...

...CME (70+-18.7 pg/ml) compared to those without (35+-13.6 pg/ml).

Triamcinolone administration resulted in the dramatic reduction of VEGF and SDF-1 to nearly undetectable levels. **Triamcinolone** eliminated CME, NVI and caused regression of active NV and the initiation of fibrosis.

Conclusions: Elevated SDF-1 is associated with the presence of CME and is reduced by **Triamcinolone**. The elimination of CME and NVI, as well as

the regression of active neovascularization and the initiation of fibrosis by Triamcinolone may be due to the suppression of VEGF and SDF-1. Our results support a role for SDF-1 and VEGF in the pathogenesis of diabetic retinopathy.

...REGISTRY NUMBERS: triamcinolone ;

DESCRIPTORS:

...DISEASES: nonproliferative diabetic retinopathy - - -

...proliferating diabetic retinopathy --

CHEMICALS & BIOCHEMICALS: ... triamcinolone --

17/3, K/3 (Item 3 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0014583451 BIOSIS NO.: 200300539641

INTRAVITREAL TRIAMCINOLONE ACETONIDE FOR DIABETIC MACULAR EDEMA

AUTHOR: Chieh J J (Reprint); Liu M; Martidis A; Roth D B (Reprint); Belmont J; Nelson M; Regillo C; Sivalingam A; Federman J

AUTHOR ADDRESS: Ophthalmology, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ, USA**USA

JOURNAL: ARVO Annual Meeting Abstract Search and Program Planner 2003 p Abstract No. 3220 2003 2003

MEDIUM: cd-rom

CONFERENCE/MEETING: Annual Meeting of the Association for Research in Vision and Ophthalmology Fort Lauderdale, FL, USA May 04-08, 2003; 20030504

SPONSOR: Association for Research in Vision and Ophthalmology

DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster

RECORD TYPE: Abstract

LANGUAGE: English

INTRAVITREAL TRIAMCINOLONE ACETONIDE FOR DIABETIC MACULAR EDEMA
2003

...ABSTRACT: up was 6.1 months. One hundred and seventy eight eyes (76.7%) had nonproliferative diabetic retinopathy (NPDR) and 54 eyes (23.3%) had proliferative diabetic retinopathy (PDR). One hundred and ninety five eyes (84.1%) were treated with prior focal laser...

...in some patients. Conclusions: IVT was successful in reducing clinical macular edema in eyes with diabetic retinopathy, but visual acuity may not always improve in eyes with diabetic macular edema.

...REGISTRY NUMBERS: triamcinolone acetonide

DESCRIPTORS:

...DISEASES: nonproliferative diabetic retinopathy - - -

...proliferative diabetic retinopathy --

...MESH TERMS: Diabetic Retinopathy (MeSH...)

... Diabetic Retinopathy (MeSH

CHEMICALS & BIOCHEMICALS: triamcinolone acetonide...

17/3, K/4 (Item 4 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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0014195555 BIOSIS NO.: 200300154274

Triamcinolone -assisted Pars Plana Vitrectomy Improves the Surgical Procedures and Decreases the Post-operative Blood-ocular Barrier Breakdown.

AUTHOR: Sakamoto T (Reprint); Enaida H (Reprint); Noda Y (Reprint); Ueno A (Reprint); Nakamura T (Reprint); Ishibashi T (Reprint)

AUTHOR ADDRESS: Ophthalmology, Kyushu Univ Medical School, Fukuoka, Japan**
Japan

JOURNAL: ARVO Annual Meeting Abstract Search and Program Planner 2002 p
Abstract No. 651 2002 2002

MEDIUM: cd-rom

CONFERENCE/MEETING: Annual Meeting of the Association For Research in Vision and Ophthalmology Fort Lauderdale, Florida, USA May 05-10, 2002; 20020505

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

Triamcinolone -assisted Pars Plana Vitrectomy Improves the Surgical Procedures and Decreases the Post-operative Blood-ocular...

2002

ABSTRACT: Purpose: to determine the effect of a **triamcinolone** -assisted pars plana vitrectomy (PPV) on the visibility of hyaloid during surgery and the postoperative clinical findings. Methods: Thirty-one patients with **proliferative** retinal disease (8 diabetic macular edema (DME), 10 **proliferative diabetic retinopathy** (PDR), 13 **proliferative vitreoretinopathy** (PVR)) underwent PPV, where the vitreous body was visualized by the intravitreal injection of **triamicolone** solution during the operation. The surgically removed posterior hyaloid cortex was examined electronmicroscopically. The visual...

...The anterior chamber laser flare cell meter was used to examine in DME eyes with **triamicolone** -assisted PPV and with routine PPV on day 8 to evaluate the breakdown of the blood ocular barrier. Results: The vitreous body was clearly seen by **triamicolone** during surgery, which greatly helped us to perform a posterior hyaloid resection safely and thoroughly
...

...one experienced uncontrollable IOP elevation. Six eyes had vitreous hemorrhage. The DME eyes which received **triamicolone** -assisted PPV showed significantly less breakdown of the blood ocular barrier than those with routine PPV (The Mann-Whitney U-test, P<0.01). Conclusion: **Triamcinolone** improved the visibility of the hyaloid and the safety of the surgical procedures during PPV...

...REGISTRY NUMBERS: **triamicolone**

DESCRIPTORS:

DISEASES: **proliferative** retinal disease...

... **proliferative diabetic retinopathy** --

MESH TERMS: Macular Edema, Cystoid (MeSH), **Diabetic Retinopathy** (MeSH

...

... **Diabetic Retinopathy** (MeSH

CHEMICALS & BIOCHEMICALS: **triamicolone** --

METHODS & EQUIPMENT: **triamicolone** -assisted pars plana vitrectomy...

0014098646 BIOSIS NO.: 200300057365
Concentration of intravitreally injected triamcinolone acetonide in
intraocular silicone oil.
AUTHOR: Jonas J B (Reprint)
AUTHOR ADDRESS: Universitaets-Augenklinik, Theodor-Kutzer-Ufer 1-3, 68167,
Mannheim, Germany**Germany
AUTHOR E-MAIL ADDRESS: Jost.Jonas@augen.ma.uni-heidelberg.de
JOURNAL: British Journal of Ophthalmology 86 (12): p1450-1451 December
2002 2002
MEDIUM: print
ISSN: 0007-1161 _(ISSN print)
DOCUMENT TYPE: Letter
RECORD TYPE: Citation
LANGUAGE: English

Concentration of intravitreally injected triamcinolone acetonide in
intraocular silicone oil.

2002

...REGISTRY NUMBERS: triamcinolone acetonide
DESCRIPTORS:
...DISEASES: proliferative diabetic retinopathy --
MESH TERMS: Diabetic Retinopathy (MeSH)
CHEMICALS & BIOCHEMICALS: triamcinolone acetonide...

17/3,K/6 (Item 6 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0013113728 BIOSIS NO.: 200100285567
Intravitreal triamcinolone use in the control of inflammation after
vitreoretinal surgery
AUTHOR: Gupta S K (Reprint); Panthagani P (Reprint); Chalam K V (Reprint)
AUTHOR ADDRESS: Department of Ophthalmology, University Florida College of
Medicine, Jacksonville, FL, USA**USA
JOURNAL: IOVS 42 (4): pS431 March 15, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the Association for Research in
Vision and Ophthalmology Fort Lauderdale, Florida, USA April 29-May 04,
2001; 20010429
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

Intravitreal triamcinolone use in the control of inflammation after
vitreoretinal surgery

2001

...REGISTRY NUMBERS: triamcinolone
DESCRIPTORS:
...DISEASES: proliferative diabetic retinopathy --
...MESH TERMS: Diabetic Retinopathy (MeSH)
CHEMICALS & BIOCHEMICALS: ... triamcinolone --

17/3,K/7 (Item 7 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0013065487 BIOSIS NO.: 200100237326

Intravitreal injection of crystalline cortisone as adjunctive treatment of proliferative diabetic retinopathy
AUTHOR: Jonas Jost B (Reprint); Hayler Jochen K; Soefker Antje; Panda-Jonas Songhomitra
AUTHOR ADDRESS: Universitaets-Augenklinik, Theodor-Kutzer-Ufer 1-3, 68167, Mannheim, Germany**Germany
JOURNAL: American Journal of Ophthalmology 131 (4): p468-471 April, 2001
2001
MEDIUM: print
ISSN: 0002-9394
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Intravitreal injection of crystalline cortisone as adjunctive treatment of proliferative diabetic retinopathy
2001

...ABSTRACT: of intravitreal injections of crystalline cortisone in patients undergoing pars plana vitrectomy for treatment of **proliferative diabetic retinopathy**. METHODS: The prospective, interventional case series study included 29 consecutive patients (29 eyes) who underwent pars plana vitrectomy for treatment of complicated **proliferative diabetic retinopathy** associated with central retinal traction detachment. All patients received an intravitreal injection of 15 to 20 mg of crystalline triamcinolone acetonide at the end of surgery, and were operated on by the same surgeon. Mean...

...to be well tolerated by eyes undergoing pars plana vitrectomy for treatment of complicated diabetic **proliferative retinopathy**. In view of the antiphlogistic and antiproliferative effect of cortisone, future randomized clinical trials...

...to investigate further the role of intravitreal injection of crystalline cortisone in the treatment of **proliferative diabetic retinopathy**.

DESCRIPTORS:

...DISEASES: **proliferative diabetic retinopathy**--

MESH TERMS: **Diabetic Retinopathy** (MeSH)

CHEMICALS & BIOCHEMICALS: crystalline cortisone {crystalline **triamcinolone acetonide**...}

17/3,K/8 (Item 8 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0012552337 BIOSIS NO.: 200000270650
Effect of subconjunctival corticosteroid immediately after cataract surgery in diabetic patients
AUTHOR: Fukushima Harumi (Reprint); Kato Satoshi; Kaiya Tadayoshi; Yuguchi Takuma; Oshika Tetsuro
AUTHOR ADDRESS: Division of Ophthalmology, Tokyo University Branch Hospital, 3-28-6 Mejirodai Bunkyo-ku, Tokyo, 112-8688, Japan**Japan
JOURNAL: Rinsho Ganka 53 (13): p2001-2004 Dec., 1999 1999
MEDIUM: print
ISSN: 0370-5579
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Japanese

1999

...ABSTRACT: cataract surgery. They were randomized into two groups. One group of 52 eyes received subconjunctival **dexamethasone** and gentamicin and the other 34 eyes received gentamicin only. Cases of **proliferative diabetic retinopathy** and those with intraoperative complications were excluded. The aqueous flare value was evaluated using a...

...REGISTRY NUMBERS: **dexamethasone**

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: **dexamethasone** --

17/3,K/9 (Item 1 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

12024310 Genuine Article#: 721RJ No. References: 7
Title: Intravitreal dexamethasone effectively reduces postoperative inflammation after vitreoretinal surgery
Author(s): Chalam KV (REPRINT) ; Malkani S; Shah VA
Corporate Source: Univ Florida,Coll Med, Dept Ophthalmol,580 W 8th St/Jacksonville//FL/32209 (REPRINT); Univ Florida,Coll Med, Dept Ophthalmol,Jacksonville//FL/32209
Journal: OPHTHALMIC SURGERY LASERS & IMAGING, 2003 , V34, N3 (MAY-JUN), P 188-192
ISSN: 1082-3069 Publication date: 20030500
Publisher: SLACK INC, 6900 GROVE RD, THOROFARE, NJ 08086 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Intravitreal dexamethasone effectively reduces postoperative inflammation after vitreoretinal surgery

, 2003

...Abstract: randomized, prospective study was performed to evaluate the effectiveness of a single intravitreal injection of **dexamethasone** phosphate on postoperative inflammation after simple vitreous surgery in patients with **proliferative diabetic retinopathy** and macular pucker.

PATIENTS AND METHODS: Aqueous cell flare intensity was measured preoperatively and on days 1, 10, and 90 in 56 consecutive patients who underwent vitreous surgery for **proliferative diabetic retinopathy** and macular pucker. Subjects were consecutively randomized to two groups: 400 mug of intravitreal **dexamethasone** (treatment group) or no **dexamethasone** (control group)

RESULTS: Before surgery, cell and flare intensity was similar in both groups. Flare intensity was significantly lower at 10, 30, and 90 days in the **proliferative diabetic retinopathy** treatment group ($P < .05$).

CONCLUSION: Intravitreal **dexamethasone** significantly alleviates postoperative inflammation after vitreous surgery and is a useful adjunct.

...Identifiers-- **DIABETIC - RETINOPATHY ; INJECTION; TOXICITY**

17/3,K/10 (Item 2 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

11860381 Genuine Article#: 704NU No. References: 21

Title: Pars plana vitrectomy assisted by triamcinolone acetonide for refractory uveitis: a case series study
Author(s): Sonoda KH (REPRINT) ; Enaida H; Ueno A; Nakamura T; Kawano YI; Kubota T; Sakamoto T; Ishibashi T
Corporate Source: Kyushu Univ,Dept Ophthalmol, Grad Sch Med Sci, Higashi Ku,3-1-1 Maidashi/Fukuoka 8128582//Japan/ (REPRINT); Kyushu Univ,Dept Ophthalmol, Grad Sch Med,Fukuoka 812//Japan/; Kagoshima Univ,Dept Ophthalmol,Kagoshima 890//Japan/
Journal: BRITISH JOURNAL OF OPHTHALMOLOGY, 2003 , V87, N8 (AUG), P 1010-1014
ISSN: 0007-1161 **Publication date:** 20030800
Publisher: BRITISH MED JOURNAL PUBL GROUP, BRITISH MED ASSOC HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR, ENGLAND
Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Title: Pars plana vitrectomy assisted by triamcinolone acetonide for refractory uveitis: a case series study , 2003
Abstract: Aim: To examine the outcome of a triamcinolone acetonide (TA) assisted pars plana vitrectomy (PPV) for refractory uveitis.
Methods: Six patients suffering from proliferative vitreoretinopathy (PVR) with refractory uveitis underwent a TA assisted PPV. The patients consisted of one...
Identifiers-- PROLIFERATIVE DIABETIC - RETINOPATHY ; INTRAVITREAL TRIAMCINOLONE ; INTRAOCULAR PROLIFERATION; CRYSTALLINE CORTISONE; MACULAR DEGENERATION; ADJUNCTIVE TREATMENT; VITREORETINOPATHY; INJECTION; CLEARANCE

17/3,K/11 (Item 3 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

11843267 Genuine Article#: 701CZ No. References: 24
Title: Intravitreal triamcinolone acetonide as an additional tool in pars plana vitrectomy for proliferative diabetic retinopathy
Author(s): Jonas JB (REPRINT) ; Sofker A; Degenring R
Corporate Source: Univ Heidelberg,Augenklin, Dept Ophthalmol, Fac Clin Med Mannheim,Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ Heidelberg,Augenklin, Dept Ophthalmol, Fac Clin Med Mannheim,D-68167 Mannheim//Germany/; Univ Heidelberg,Hosp Eye, Fac Clin Med Mannheim,D-68167 Mannheim//Germany/
Journal: EUROPEAN JOURNAL OF OPHTHALMOLOGY, 2003 , V13, N5 (JUN), P468-473
ISSN: 1120-6721 **Publication date:** 20030600
Publisher: WICHTIG EDITORE, 72/74 VIA FRIULI, 20135 MILAN, ITALY
Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Title: Intravitreal triamcinolone acetonide as an additional tool in pars plana vitrectomy for proliferative diabetic retinopathy , 2003
Abstract: PURPOSE. To evaluate the safety and efficacy of intravitreal injections of crystalline triamcinolone acetonide as an adjunctive procedure in pars plana vitrectomy for proliferative diabetic retinopathy .
METHODS. This nonrandomized comparative study included 30 patients (32 eyes) who underwent standardized pars plana vitrectomy for treatment of proliferative diabetic retinopathy and who received an intravitreal injection of 25 mg triamcinolone acetonide at the end of surgery. Mean follow-up time was 5.60 +/- 5.14...

...the study group for preoperative and intraoperative parameters and who underwent pars plana vitrectomy for proliferative diabetic retinopathy without intravitreal injection of triamcinolone acetonide.

RESULTS. The study group and the control group did not vary significantly in frequency...

...acuity.

CONCLUSIONS. In this pilot study, the study group with pars plana vitrectomy and intravitreal triamcinolone acetonide injection compared with the nonrandomized control group without intravitreal triamcinolone acetonide injection did not show a higher than usual rate of postoperative complications. As a corollary, however, the data do not suggest the adjunct use of 25 mg intravitreal triamcinolone acetonide combined with pars plana vitrectomy as treatment of proliferative diabetic retinopathy.

17/3,K/12 (Item 4 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

11169758 Genuine Article#: 615WX No. References: 5
Title: Intravitreal triamcinolone acetonide for cataract surgery with iris neovascularization
Author(s): Jonas JB (REPRINT) ; Sofker A
Corporate Source: Univ Heidelberg, Augenklin, Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ Heidelberg, Fac Clin Med Mannheim, Dept Ophthalmol, Heidelberg//Germany/; Univ Heidelberg, Fac Clin Med Mannheim, Hosp Eye, Heidelberg//Germany/
Journal: JOURNAL OF CATARACT AND REFRACTIVE SURGERY, 2002, V28, N11 (NOV), P2040-2041
ISSN: 0886-3350 Publication date: 20021100
Publisher: ELSEVIER SCIENCE INC, 360 PARK AVE SOUTH, NEW YORK, NY 10010-1710 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)
Title: Intravitreal triamcinolone acetonide for cataract surgery with iris neovascularization, 2002
Abstract: A 73-year-old patient with proliferative diabetic retinopathy presented with marked iris neovascularization and dense cataract that prevented retinal laser coagulation. To prevent...
...of a foldable posterior chamber lens in combination with an intravitreal injection of 25 mg triamcinolone acetonide. During the 5.5-month follow-up, visual acuity increased from 0.10 to...

17/3,K/13 (Item 5 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

10908801 Genuine Article#: 580GA No. References: 23
Title: Intravitreal injection of crystalline triamcinolone acetonide in the treatment of diffuse diabetic macular oedema
Author(s): Jonas JB (REPRINT) ; Degenring R
Corporate Source: Univ Heidelberg, Augenklin, Fak Klin Med Mannheim, Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ

Heidelberg, Augenklin, Fak Klin Med Mannheim, D-68167 Mannheim//Germany/
Journal: KLINISCHE MONATSBLATTER FUR AUGENHEILKUNDE, 2002, V219, N6 (JUN)
, P429-432
ISSN: 0023-2165 Publication date: 20020600
Publisher: GEORG THIEME VERLAG KG, RUDIGERSTR 14, D-70469 STUTTGART,
GERMANY
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

**Title: Intravitreal injection of crystalline triamcinolone acetonide in
the treatment of diffuse diabetic macular oedema
2002**

Abstract: Background: To evaluate the clinical outcome of an intravitreal injection of crystalline triamcinolone acetonide as treatment of clinically significant diffuse diabetic macular oedema. Patients and methods: The study included 8 patients (10 eyes) who received an intravitreal injection of 25 mg crystalline triamcinolone acetonide as treatment of clinically significant diffuse diabetic macular oedema follow-up time was 3...

...4 weeks gained in visual acuity. Towards the end of the follow-up period, the triamcinolone acetonide crystals completely resolved and visual acuity decreased to 0.15 +/- 0.11, which was...

...obtained up to 12 weeks after the injection. Conclusions: Intravitreal injection of 25 mg crystalline triamcinolone acetonide may be beneficial for temporarily increasing visual acuity in patients with clinically significant diffuse...

...Identifiers--ADJUNCTIVE TREATMENT; PROLIFERATIVE VITREORETINOPATHY; CORTISONE; EDEMA; ENDOPHTHALMITIS

17/3, K/14 (Item 6 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
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10404535 Genuine Article#: 522NQ No. References: 64
Title: Hydrocortisone decreases retinal endothelial cell water and solute flux coincident with increased content and decreased phosphorylation of occludin

Author(s): Antonetti DA (REPRINT) ; Wolpert EB; DeMaio L; Harhaj NS; Scaduto RC

Corporate Source: Penn State Coll Med,Dept Cellular & Mol Physiol,500 Univ Dr/Hershey//PA/17033 (REPRINT); Penn State Coll Med,Dept Cellular & Mol Physiol,Hershey//PA/17033; Penn State Coll Med,Dept Ophthalmol,Hershey//PA/17033; Penn State Univ,Dept Chem Engn,University Pk//PA/16802

Journal: JOURNAL OF NEUROCHEMISTRY, 2002, V80, N4 (FEB), P667-677

ISSN: 0022-3042 Publication date: 20020200

Publisher: BLACKWELL SCIENCE LTD, P O BOX 88, OSNEY MEAD, OXFORD OX2 ONE, OXON, ENGLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

**Title: Hydrocortisone decreases retinal endothelial cell water and solute flux coincident with increased content and decreased phosphorylation...
2002**

...Abstract: known about the mechanism by which these hormones affect endothelial cell function. We hypothesized that hydrocortisone would reduce transport of water and solutes across bovine retinal endothelial cell (BREC) monolayers coincident with changes to the tight junction protein occludin. Treatment of BREC with 103 nM hydrocortisone for

two days significantly decreased water and solute transport across cell monolayers. Immunoblot analysis of...

...similar two-fold increase in occludin mRNA was observed by real-time PCR. Immunocytochemistry revealed hydrocortisone dramatically increased both occludin and ZO-1 staining at the cell border. Additionally, 4 h of hydrocortisone treatment significantly, reduced occludin phosphorylation. To our knowledge, this is the first example of a regulated decrease in occludin phosphorylation associated with increased barrier properties. In conclusion, hydrocortisone directly affects retinal endothelial cell barrier properties coincident with changes in occludin content, phosphorylation and tight junction assembly. Localized hydrocortisone therapy may be developed as a treatment option for patients suffering from retinal edema due...

...Identifiers--TIGHT JUNCTION STRANDS; PROLIFERATIVE DIABETIC - RETINOPATHY ; MAMMARY EPITHELIAL-CELLS; GROWTH-FACTOR; VASCULAR-PERMEABILITY; OCULAR NEOVASCULARIZATION; TRANSPORT-PROPERTIES; ZONULA OCCLUDENS; PROTEIN OCCLUDIN...

17/3,K/15 (Item 7 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

09927791 Genuine Article#: 466RH No. References: 19
Title: Regression of neovascular iris vessels by intravitreal injection of crystalline cortisone
Author(s): Jonas JB (REPRINT) ; Hayler JK; Sofker A; Panda-Jonas S
Corporate Source: Univ Heidelberg, Augenklin, Theodor Kutzer Ufer 1-3/D-68167
Mannheim//Germany/ (REPRINT); Univ Heidelberg, Dept
Ophthalmol, Heidelberg//Germany/; Univ Heidelberg, Hosp Eye, Fac Clin Med
Mannheim, Heidelberg//Germany/; Univ Erlangen Nurnberg, Dept
Ophthalmol, D-8520 Erlangen//Germany/; Univ Erlangen Nurnberg, Hosp
Eye, D-8520 Erlangen//Germany/
Journal: JOURNAL OF GLAUCOMA, 2001, V10, N4 (AUG), P284-287
ISSN: 1057-0829 Publication date: 20010800
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
19106-3621 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

, 2001
Abstract: Purpose: To report the clinical outcome of patients who received an intravitreal injection of crystalline triamcinolone acetonide as treatment of neovascular glaucoma.

Patients and Methods: The study included 14 eyes of 14 patients with secondary neovascular glaucoma attributable to proliferative diabetic retinopathy (n = 9) or ischemic central retinal vein occlusion (n = 5). All patients received an intravitreal injection of 20 mg of crystalline triamcinolone acetonide as the only procedure (n = 4) or in combination with additional procedures, such as...

...Identifiers-- TRIAMCINOLONE ACETONIDE; PROLIFERATIVE VITREORETINOPATHY; INTRAOCULAR PROLIFERATION; ENDOPHTHALMITIS; CORTICOSTEROIDS; INHIBITION; TOXICITY

17/3,K/16 (Item 8 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

09885418 Genuine Article#: 461CX No. References: 51

Title: **Migration of retinal pigment epithelial cells in vitro modulated by monocyte chemotactic protein-1: enhancement and inhibition**
Author(s): Han QH (REPRINT) ; Hui YN; Du HJ; Zhang WJ; Ma JX; Wang SY
Corporate Source: Fourth Mil Med Univ,Dept Ophthalmol, Xijing Hosp,Changle Rd 17/Xian 710032/Shaanxi/Peoples R China/ (REPRINT); Fourth Mil Med Univ,Dept Ophthalmol, Xijing Hosp,Xian 710032/Shaanxi/Peoples R China/
Journal: GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, 2001 , V239, N7 (JUL), P531-538
ISSN: 0721-832X Publication date: 20010700
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

, 2001

...Abstract: migration of retinal pigment epithelial (RPE) cells is an initial step in the development of proliferative vitreoretinopathy (PVR). This in vitro study was carried out to investigate the effects of monocyte...

...1, IL-1 beta, TNF-alpha, or combinations thereof. Neutralizing IgG, of antihuman MCP-1, dexamethasone (DEX) or daunorubicin were also added to the cultures to test their inhibitory effects on...

...Identifiers-- PROLIFERATIVE DIABETIC - RETINOPATHY ; EPIRETINAL MEMBRANES; ORGAN-CULTURE; TNF-ALPHA; IN-VITRO; VITREORETINOPATHY; EXPRESSION; INVITRO; CHEMOATTRACTANT; INTERLEUKIN-8

17/3,K/17 (Item 9 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

09780685 Genuine Article#: 449PE No. References: 35
Title: **Induction of interleukin-8 in human retinal pigment epithelial cells after denuding injury**
Author(s): Yoshida A; Elner SG; Bian ZM; Elner VM (REPRINT)
Corporate Source: Univ Michigan, WK Kellogg Eye Ctr, Dept Ophthalmol, 1000 Wall St/Ann Arbor//MI/48105 (REPRINT); Univ Michigan, WK Kellogg Eye Ctr, Dept Ophthalmol, Ann Arbor//MI/48105; Univ Michigan, Dept Pathol, Ann Arbor//MI/48105
Journal: BRITISH JOURNAL OF OPHTHALMOLOGY, 2001 , V85, N7 (JUL), P872-876
ISSN: 0007-1161 Publication date: 20010700
Publisher: BRITISH MED JOURNAL PUBL GROUP, BRITISH MED ASSOC HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

, 2001

...Abstract: expression by HRPE cells was assessed using semiquantitative RT-PCR. The effects of immunosuppressive drugs, dexamethasone (DEX) and cyclosporin A (CSA), as well as immunosuppressive cytokines, interleukin 4 (IL-4), interleukin...

...and/or CSA treatment may help control the inflammatory components of retinal diseases such as proliferative vitreoretinopathy.

...Identifiers-- PROLIFERATIVE DIABETIC - RETINOPATHY ; MONOCYTE CHEMOTACTIC PROTEIN-1; NECROSIS-FACTOR-ALPHA; IL-8 GENE-EXPRESSION; NF-KAPPA-B; VITREORETINOPATHY

17/3,K/18 (Item 10 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

09425454 Genuine Article#: 403GN No. References: 26
Title: Dexamethasone alters TNF-alpha expression in retinopathy
Author(s): Yossuck P; Tadesse YYM; Higgins RD (REPRINT)
Corporate Source: Georgetown Univ, Childrens Med Ctr, Dept Pediat, Div
 Neonatol, 3800 Reservoir Rd NW, Room M3400/Washington//DC/20007 (REPRINT)
 ; Georgetown Univ, Childrens Med Ctr, Dept Pediat, Div
 Neonatol, Washington//DC/20007
Journal: MOLECULAR GENETICS AND METABOLISM, 2001, V72, N2 (FEB), P164-167
ISSN: 1096-7192 Publication date: 20010200
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495
 USA
Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Title: Dexamethasone alters TNF-alpha expression in retinopathy
, 2001
...Abstract: hypoxia regulate TNF-alpha expression. TNF-alpha is an
important factor in inflammation and angiogenesis. **Dexamethasone**
inhibits TNF-alpha production. Changes in TNF-alpha expression in the
retina may play an...
...P7) for 5 days and the mice recovered in room air until Day 17 (P17).
Dexamethasone was administered at 0.5 mg/kg/day once daily
subcutaneously during the 5 days...
...exposure at P12. The expression was dramatically increased at P17, the
time of maximal vasoproliferation. **Dexamethasone** inhibited the
expression of TNF-alpha at P17 by 6.4-fold. At this dose...
...retinopathy in the mouse. It increased markedly during the
vasoproliferative phase and was suppressed by **dexamethasone**.
Modulation of TNF-alpha expression may provide a potential site of
action for future therapeutic...
...Identifiers--TUMOR-NECROSIS-FACTOR; EXPERIMENTAL AUTOIMMUNE
UVEORETINITIS; PROLIFERATIVE DIABETIC - RETINOPATHY ; OXYGEN-INDUCED
RETINOPATHY; ENDOTHELIAL GROWTH-FACTOR; ANGIOGENESIS; MOUSE; RATS;
SUPPRESSION; INHIBITION

17/3, K/19 (Item 11 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

07555769 Genuine Article#: 180XB No. References: 60
Title: Progression of diabetic retinopathy after endophthalmitis
Author(s): Dev S; Pulido JS (REPRINT) ; Tessler HH; Mittra RA; Han DP;
Mieler WF; Connor TB
Corporate Source: UNIV ILLINOIS, DEPT OPHTHALMOL & VISUAL SCI, 855 W TAYLOR,
RM 2-50/CHICAGO//IL/60612 (REPRINT); UNIV ILLINOIS, DEPT
OPHTHALMOL/CHICAGO//IL/60612; MED COLL WISCONSIN, INST EYE,
VITREORETINAL SECT/MILWAUKEE//WI/53226
Journal: OPHTHALMOLOGY, 1999, V106, N4 (APR), P774-781
ISSN: 0161-6420 Publication date: 19990400
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 227 EAST WASHINGTON SQ,
PHILADELPHIA, PA 19106
Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Title: Progression of diabetic retinopathy after endophthalmitis
, 1999
Abstract: Objective: To determine the effect of endophthalmitis on

diabetic retinopathy ,

Design: Noncomparative case series.

Methods: The records of all consecutive patients with endophthalmitis treated between...

...14%) were identified as diabetics with endophthalmitis and were studied,

Main Outcome Measures: Stage of diabetic retinopathy , time to retinopathy progression, and visual acuity,

Results: Mean patient age was 68 years, and...

...retinopathy, four showed evidence of progression within 6 months of the infection. Three developed severe proliferative disease and macular edema, and one developed severe nonproliferative disease. More patients without pre-existing...

...achieved a final Visual acuity of 20/40 or greater,

Conclusions: Patients with pre-existing diabetic retinopathy may be at increased risk for vapid retinopathy progression and a poorer visual outcome after endophthalmitis. These results support the concept that inflammation may exacerbate diabetic retinopathy.

...Identifiers--EXTRACTION; INTRAOCULAR-LENS IMPLANTATION; BLOOD-RETINAL BARRIER; PATHO-PHYSIOLOGY; NITRIC-OXIDE; MELLITUS; SURGERY; RISK; ABNORMALITIES; DEXAMETHASONE

17/3, K/20 (Item 12 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

05097586 Genuine Article#: VA243 No. References: 27
Title: DOES THE PRESENCE OF HEPARIN AND DEXAMETHASONE IN THE VITRECTOMY INFUSATE REDUCE REPROLIFERATION IN PROLIFERATIVE VITREORETINOPATHY
Author(s): WILLIAMS RG; CHANG S; COMARATTA MR; SIMONI G
Corporate Source: 2184411 16TH AVE NW/CALGARY/AB T3B 0M3/CANADA//; CORNELL UNIV, NEW YORK HOSP, MED CTR/NEW YORK//NY/00000
Journal: GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, 1996 , V234, N8 (AUG), P496-503
ISSN: 0721-832X
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: DOES THE PRESENCE OF HEPARIN AND DEXAMETHASONE IN THE VITRECTOMY INFUSATE REDUCE REPROLIFERATION IN PROLIFERATIVE VITREORETINOPATHY , 1996

Abstract: Background: Reproliferation following vitrectomy for proliferative vitreoretinopathy (PVR) causes redetachment in up to 55% of cases. Heparin and corticosteroids have each been shown to inhibit the development of proliferative vitreoretinopathy (PVR) in experimental models. However, little information is available on the use of these...

...were prospectively randomized to receive either BSS Plus (control) or BSS Plus with heparin and dexamethasone (HD) in the infusate.

Results: After one operation, the retina was reattached in 42 (71...

...Identifiers--FIBROBLAST GROWTH-FACTOR; INTRAVITREAL INJECTION; DIABETIC - RETINOPATHY ; RETINAL-DETACHMENT; SURGERY; PROPHYLAXIS; RECEPTOR; FAILURE; BINDING; FIBRIN

...Research Fronts: SHOW DISTINCT PATTERNS OF INDUCTION)

94-2756 001 (SILICONE OIL; POSTOPERATIVE RETINAL TAMPOONADE; SURGERY FOR PROLIFERATIVE VITREORETINOPATHY; CHRONIC REPLACEMENT)

17/3,K/21 (Item 13 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

02793605 Genuine Article#: ME355 No. References: 26
Title: MACROPHAGES IN PROLIFERATIVE VITREORETINOPATHY AND PROLIFERATIVE DIABETIC - RETINOPATHY - DIFFERENTIATION OF SUBPOPULATIONS
Author(s): ESSER P; HEIMANN K; WIEDEMANN P
Corporate Source: UNIV COLOGNE,AUGEN KLIN,DEPT VITREORETINAL SURG,NETZHAUT & GLASKORPERCHIRURG ABT/W-5000 COLOGNE41//GERMANY/; UNIV COLOGNE,AUGEN KLIN,DEPT VITREORETINAL SURG,NETZHAUT & GLASKORPERCHIRURG ABT/W-5000 COLOGNE41//GERMANY/
Journal: BRITISH JOURNAL OF OPHTHALMOLOGY, 1993, V77, N11 (NOV), P731-733
ISSN: 0007-1161
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: MACROPHAGES IN PROLIFERATIVE VITREORETINOPATHY AND PROLIFERATIVE DIABETIC - RETINOPATHY - DIFFERENTIATION OF SUBPOPULATIONS
, 1993

Abstract: Macrophages have long been known to play a major role in the pathogenesis of proliferative vitreoretinal disorders. Using the monoclonal antibodies EBM11 (pan macrophage), 27E10 (early inflammatory stage marker), and...

...of macrophages were differentiated in surgically removed membranes from patients with macular pucker (n=6), proliferative vitreoretinopathy (PVR) following rhegmatogenous retinal detachment (n=11), traumatic PVR (n=19), and proliferative diabetic retinopathy (PDR) (n=11). Macrophages were predominantly found in traumatic PVR and PDR. Some healing phase...

...Identifiers--PERIPHERAL-BLOOD; TRIAMCINOLONE ACETONIDE; MONONUCLEAR PHAGOCYTES; EPIRETINAL MEMBRANES; MONOCLONAL-ANTIBODY; HUMAN-MONOCYTES; REPAIR; CELLS; MODEL

Research Fronts: 91-0241 002 (POSTOPERATIVE ENDOPHTHALMITIS; 5-FLUOROURACIL TREATMENT IN GLAUCOMA FILTRATION SURGERY; PROLIFERATIVE VITREORETINOPATHY; RABBIT MODEL; VITREOUS CULTURE)

17/3,K/22 (Item 14 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

00741001 Genuine Article#: ET282 No. References: 15
Title: EVALUATION OF A SINGLE INTRAVITREAL INJECTION OF DEXAMETHASONE PHOSPHATE IN VITRECTOMY SURGERY FOR DIABETIC - RETINOPATHY COMPLICATIONS
Author(s): BLANKENSHIP GW
Corporate Source: PENN STATE UNIV,MILTON S HERSHEY MED CTR,COLL MED,DEPT OPHTHALMOL, POB 850/HERSHEY//PA/17033
Journal: GRAEFS ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, 1991, V229, N1, P62-65
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: EVALUATION OF A SINGLE INTRAVITREAL INJECTION OF DEXAMETHASONE PHOSPHATE IN VITRECTOMY SURGERY FOR DIABETIC - RETINOPATHY COMPLICATIONS

, 1991

Abstract: For evaluation of the efficacy and toxicity of **dexamethasone** phosphate after pars plana vitrectomy, 27 randomly selected eyes received 0.8 mg intravitreal **dexamethasone** phosphate and 30 control eyes did not receive this injection. No signs of **dexamethasone** phosphate toxicity were observed during 6 months of follow-up evaluations. Visual acuities of 20/40 or better were obtained in 26% of the **dexamethasone** -treated group and 33% of the control group, and those of 20/200 or better were obtained in 74% of the **dexamethasone** -treated eyes and 73% of the control eyes. Moderate anterior chamber flare or fibrin formation occurred in only 15% of the **dexamethasone** -treated eyes but in 27% of the control eyes one day after surgery.

Lens changes...

...Identifiers-- **TRIAMCINOLONE ACETONIDE; PROLIFERATIVE VITREORETINOPATHY; TOXICITY; THERAPY; FIBRIN; MODEL**

17/3,K/23 (Item 1 from file: 155)

DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

14472585 PMID: 12953154

[**Diabetic maculopathy - classification and therapy**]
Die diabetische Makulopathie - Klinik und Therapie.
Fauser Sascha; Krohne Tim U; Kirchhof Bernd; Joussen Antonia M
Abteilung fur Netzhaut- und Glaskorperchirurgie des Zentrums fur
Augenheilkunde und Zentrum fur Molekulare Medizin, Universitat zu Koln.
Klinische Monatsblatter fur Augenheilkunde (Germany) Aug 2003, 220
(8) p526-31, ISSN 0023-2165--Print Journal Code: 0014133
Publishing Model Print
Document type: Journal Article; Review ; English Abstract
Languages: GERMAN
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 2003 ,

Descriptors: ***Diabetic Retinopathy** --therapy--TH; ***Macular Edema, Cystoid--therapy--TH**...; 1--classification--CL; **Diabetes Mellitus, Type 1**--diagnosis--DI; **Diabetes Mellitus, Type 1**--therapy--TH; **Diabetic Retinopathy** --classification--CL; **Diabetic Retinopathy** --diagnosis--DI ; English Abstract; Humans; Injections; Laser Coagulation; Macular Edema, Cystoid--classification--CL; **Macular Edema, Cystoid--diagnosis--DI**; **Triamcinolone Acetonide--administration and dosage--AD**; **Vitrectomy; Vitreoretinopathy, Proliferative --therapy--TH**; **Vitreous Body**
Chemical Name: **Triamcinolone Acetonide**

17/3,K/24 (Item 2 from file: 155)

DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

14381532 PMID: 12841570

Intravitreal triamcinolone acetonide as an additional tool in pars plana vitrectomy for proliferative diabetic retinopathy.

Jonas J B; Sofker A; Degenring R
Department of Ophthalmology and Eye Hospital, Faculty for Clinical Medicine Mannheim, Ruprecht-Karls-University, Heidelberg, Germany.
Jost.Jonas@augen.ma.uni-heidelberg.de

European journal of ophthalmology (Italy) Jun 2003, 13 (5) p468-73
, ISSN 1120-6721--Print Journal Code: 9110772

Publishing Model Print
Document type: Clinical Trial; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Intravitreal triamcinolone acetonide as an additional tool in pars plana vitrectomy for proliferative diabetic retinopathy.

... 2003 ,

PURPOSE: To evaluate the safety and efficacy of intravitreal injections of crystalline triamcinolone acetonide as an adjunctive procedure in pars plana vitrectomy for proliferative diabetic retinopathy . METHODS: This nonrandomized comparative study included 30 patients (32 eyes) who underwent standardized pars plana vitrectomy for treatment of proliferative diabetic retinopathy and who received an intravitreal injection of 25 mg triamcinolone acetonide at the end of surgery. Mean follow-up time was 5.60 +/- 5.14...

... the study group for preoperative and intraoperative parameters and who underwent pars plana vitrectomy for proliferative diabetic retinopathy without intravitreal injection of triamcinolone acetonide. RESULTS: The study group and the control group did not vary significantly in frequency ...

... acuity. CONCLUSIONS: In this pilot study, the study group with pars plana vitrectomy and intravitreal triamcinolone acetonide injection compared with the nonrandomized control group without intravitreal triamcinolone acetonide injection did not show a higher than usual rate of postoperative complications. As a corollary, however, the data do not suggest the adjunct use of 25 mg intravitreal triamcinolone acetonide combined with pars plana vitrectomy as treatment of proliferative diabetic retinopathy.

Descriptors: *Diabetic Retinopathy --drug therapy--DT; * Diabetic Retinopathy --surgery--SU; *Glucocorticoids--therapeutic use--TU; * Triamcinolone Acetonide--therapeutic use--TU; *Vitrectomy; *Vitreoretinopathy, Proliferative --drug therapy--DT; *Vitreoretinopathy, Proliferative --surgery--SU

Chemical Name: Glucocorticoids; Triamcinolone Acetonide

17/3,K/25 (Item 3 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12473958 PMID: 10417918
[Exophthalmos and blindness disclosing an ethmoidal-maxillary malignant non-Hodgkin's T-cell lymphoma. Apropos of a case]

Exophthalmie et cecite revelant un lymphome malin non-hodgkinien ethmoido-maxillaire a cellules T. A propos d'une observation.

Derbel M; Ben Zina Z; Sellami D; Ben Ayed H; Chaabouni M; Daoud J; Frikha M; Abdelmoula M

Service d'Ophtalmologie, CHU Habib Bourguiba, Sfax, Tunisie.

Journal francais d'ophtalmologie (FRANCE) May 1999 , 22 (5) p566-70
, ISSN 0181-5512--Print Journal Code: 7804128

Publishing Model Print

Document type: Case Reports; Journal Article ; English Abstract

Languages: FRENCH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... 1999 ,
... a homolateral hemifacial tumefaction and ophthalmoplegia. The right ocular fundus showed papillary edema and non- proliferative diabetic retinopathy . The left eye was normal. The otolaryngology explorations revealed a voluminous tumor in the anterior...

...; Combined Chemotherapy Protocols--therapeutic use--TU; Cyclophosphamide--administration and dosage--AD; Cyclophosphamide --therapeutic use--TU; Diabetic Retinopathy --complications--CO; Doxorubicin--administration and dosage--AD; Doxorubicin--therapeutic use --TU; English Abstract; Humans; Neoplasm Invasiveness; Nose Neoplasms --complications--CO; Orbital Neoplasms--complications--CO; Prednisone --administration and dosage--AD; Prednisone --therapeutic use--TU; Vincristine--administration and dosage--AD; Vincristine--therapeutic use --TU

...Chemical Name: Alkylating; Antineoplastic Agents, Hormonal; Antineoplastic Agents, Phytopathic; Antineoplastic Combined Chemotherapy Protocols; CHOP protocol; Doxorubicin; Cyclophosphamide; Prednisone ; Vincristine

17/3,K/26 (Item 4 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

08539187 PMID: 2385973

[Clinical experiences with 50 pancreas transplantations]
Klinische Erfahrungen mit 50 Pankreastransplantationen.
Konigsrainer A; Margreiter R; Schmid T; Steiner E; Bosmuller C;
Spielberger M; Aigner F
Abteilung fur Transplantationschirurgie, I. Universitatsklinik fur
Chirurgie Innsbruck.
Zentralblatt fur Chirurgie (GERMANY, EAST) 1990 , 115 (12) p757-65
, ISSN 0044-409X--Print Journal Code: 0413645
Publishing Model Print
Document type: Journal Article ; English Abstract
Languages: GERMAN
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... 1990 ,
... donor. End-stage diabetic nephropathy was the indication for the combined procedure, and progressive pre- proliferative retinopathy for a single pancreas transplant. A segment consisting of body, tail but also major...

... of steroids and azathioprine for the first two patients. From 1981 to 1986 cyclosporin and prednisolone were given and from then on azathioprine was added as a third drug. Patient survival...

... In 16% of the long-term survivors significant amelioration and in another 50% stabilization of diabetic retinopathy occurred.

; Adult; Diabetic Nephropathies--surgery--SU; Diabetic Retinopathy --complications--CO; English Abstract; Humans; Immunosuppressive Agents --therapeutic use--TU; Kidney Transplantation; Pancreaticojunostomy; Postoperative Complications...

17/3,K/27 (Item 5 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

06856244 PMID: 3000117

Effect of aging on growth hormone, ACTH and cortisol response to insulin-induced hypoglycemia in type I diabetes.

Muggeo M; Moghetti P; Querena M; Girotto S; Bonora E; Crepaldi G
Acta diabetologica latina (ITALY) Apr-Jun 1985 , 22 (2) p159-68,
ISSN 0001-5563--Print Journal Code: 0123567

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... 1985 ,
... insulin between young and aged patients. When a group of 26 type I diabetics with proliferative retinopathy was compared with a group of age-matched type I diabetics without retinopathy and...

... in GH response to insulin, indicating that GH hypersecretion is not a characteristic finding of diabetic retinopathy.

Descriptors: *Aging; *Corticotropin--secretion--SE; *Diabetes Mellitus, Type 1--metabolism--ME; *Growth Hormone--secretion--SE; * Hydrocortisone --secretion--SE; *Hypoglycemia--metabolism--ME...; Aged; Corticotropin --blood--BL; Diabetes Mellitus, Type 1--blood--BL; Growth Hormone--blood --BL; Humans; Hydrocortisone --blood--BL; Hypoglycemia--blood--BL; Insulin --diagnostic use--DU; Middle Aged; Research Support, Non-U...
Chemical Name: Insulin; Hydrocortisone ; Corticotropin; Growth Hormone

17/3, K/28 (Item 6 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

06115459 PMID: 6346887

Lack of correlation between ocular hypertensive response to topical corticosteroids and progression of retinopathy in insulin-dependent diabetes mellitus.

Krupin T; Schoch L H; Cooper D; Becker B

American journal of ophthalmology (UNITED STATES) Jul 1983 , 96 (1)
p52-6, ISSN 0002-9394--Print Journal Code: 0370500

Contract/Grant No.: EY 00082; EY; NEI

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... 1983 ,
... patients (13 high responders and 39 intermediate responders) than in previously reported volunteer series. Background diabetic retinopathy was present at the end of the study in 75 of the 86 patients and proliferative retinopathy was present in 29. The proportions of patients developing either type of retinopathy were similar among the low (NN), intermediate, and high response groups. The rate of diabetic retinopathy development was related to the duration of the disease and not to the intraocular pressure...

Descriptors: *Adrenal Cortex Hormones--diagnostic use--DU; * Diabetic Retinopathy --physiopathology--PP; *Insulin--therapeutic use--TU; *Intraocular Pressure--drug effects--DE; Administration, Topical; Adult; Comparative Study; Dexamethasone --administration and dosage--AD; Dexamethasone --analogs and derivatives--AA; Diabetes Mellitus, Type 1

--drug therapy--DT; Diabetes Mellitus, Type 1--physiopathology--PP;
Diabetic Retinopathy --drug therapy--DT; Follow-Up Studies; Humans;
Ophthalmic Solutions; Research Support, Non-U.S. Gov...
Chemical Name: Adrenal Cortex Hormones; Ophthalmic Solutions; Insulin;
dexamethasone 21-phosphate; Dexamethasone
? ds

Set	Items	Description
S1	344505	DEXAMETHASONE OR FLUROMETHALONE OR MEDRYSONE OR BETAMETHASONE OR TRIAMCINOLONE OR TRIAMCINOLONE OR PREDNISONE OR PREDNISOLONE OR HYDROCORTISONE OR RIMEXOLONE
S2	121652	PREDINICARBATE OR DEFLAZACORT OR HALOMETHASONE OR TIXOCORTOL OR PREDNYLIDEN OR DIETHYLAMINOACETATE OR PREDNIVAL OR PARAMETHASONE OR ?PARAMETHASONE OR MEPREDNISONE OR MAZIPREDONE OR ?FLUOPREDONE OR ?PREDONE OR HALCINONIDE OR FORMOCORTAL OR FLUOCORTOLONE OR
S3	257198	EDEMA OR RETINOPATH?
S4	7468	S1 AND S3
S5	936	S2 AND S3
S6	779	RETINAL()EDEMA
S7	52	S1 AND S6
S8	36	RD (unique items)
S9	0	S8 AND AY<=2003
S10	24	S8 AND PY<=2003
S11	1	S6 AND S2
S12	34523	DIABETIC()RETINO?
S13	446	S12 AND S1
S14	7759	PROLIFERATIVE AND (DIABETIC()RETINO?)
S15	99	S14 AND S1
S16	66	RD (unique items)
S17	28	S16 AND PY<=2003
? s s14 and s2		
	7759	S14
	121652	S2
S18	17	S14 AND S2
? rd		
	S19	14 RD (unique items)
? t s19/3,k/all		

19/3,K/1 (Item 1 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0014098646 BIOSIS NO.: 200300057365
Concentration of intravitreally injected triamcinolone acetonide in
intraocular silicone oil.
AUTHOR: Jonas J B (Reprint)
AUTHOR ADDRESS: Universitaets-Augenklinik, Theodor-Kutzer-Ufer 1-3, 68167,
Mannheim, Germany**Germany
AUTHOR E-MAIL ADDRESS: Jost.Jonas@augen.ma.uni-heidelberg.de
JOURNAL: British Journal of Ophthalmology 86 (12): p1450-1451 December
2002 2002
MEDIUM: print
ISSN: 0007-1161 (ISSN print)
DOCUMENT TYPE: Letter
RECORD TYPE: Citation
LANGUAGE: English

...REGISTRY NUMBERS: cortisone
DESCRIPTORS:
...DISEASES: proliferative diabetic retinopathy --

MESH TERMS: Diabetic Retinopathy (MeSH)
CHEMICALS & BIOCHEMICALS: ... cortisone ;

19/3,K/2 (Item 2 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0013065487 BIOSIS NO.: 200100237326
Intravitreal injection of crystalline cortisone as adjunctive treatment of proliferative diabetic retinopathy
AUTHOR: Jonas Jost B (Reprint); Hayler Jochen K; Soefker Antje; Panda-Jonas Songhomitra
AUTHOR ADDRESS: Universitaets-Augenklinik, Theodor-Kutzer-Ufer 1-3, 68167, Mannheim, Germany**Germany
JOURNAL: American Journal of Ophthalmology 131 (4): p468-471 April, 2001
2001
MEDIUM: print
ISSN: 0002-9394
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Intravitreal injection of crystalline cortisone as adjunctive treatment of proliferative diabetic retinopathy

ABSTRACT: PURPOSE: To report the clinical outcome and complications of intravitreal injections of crystalline cortisone in patients undergoing pars plana vitrectomy for treatment of proliferative diabetic retinopathy . METHODS: The prospective, interventional case series study included 29 consecutive patients (29 eyes) who underwent pars plana vitrectomy for treatment of complicated proliferative diabetic retinopathy associated with central retinal traction detachment. All patients received an intravitreal injection of 15 to...

...values (P = .72) and blood glucose measurements did not vary significantly. A pseudohypopyon consisting of cortisone crystals in the inferior anterior chamber angle was detected in one patient and resolved spontaneously within 4 days. CONCLUSIONS: The present clinical study suggests that intravitreal injection of crystalline cortisone with most of the vehicle removed seems to be well tolerated by eyes undergoing pars plana vitrectomy for treatment of complicated diabetic proliferative retinopathy. In view of the antiphlogistic and antiproliferative effect of cortisone , future randomized clinical trials may be indicated to investigate further the role of intravitreal injection of crystalline cortisone in the treatment of proliferative diabetic retinopathy.

DESCRIPTORS:

...DISEASES: proliferative diabetic retinopathy --

MESH TERMS: Diabetic Retinopathy (MeSH)

CHEMICALS & BIOCHEMICALS: crystalline cortisone {crystalline triamcinolone acetonide...}

19/3,K/3 (Item 1 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

14885562 Genuine Article#: 015JD No. References: 41
Title: Triamcinolone acetonide suppresses interleukin-1 beta-mediated increase in vascular endothelial growth factor expression in cultured

rat Muller cells
Author(s): Itakura H (REPRINT) ; Akiyama H; Hagimura N; Doi H; Tanaka T; Kishi S; Kurabayashi M
Corporate Source: Gunma Univ,Grad Sch Med, Dept Ophthalmol, 3-39-15 Showa Machi/Maebashi/Gumma 3718511/Japan/ (REPRINT); Gunma Univ,Grad Sch Med, Dept Ophthalmol,Maebashi/Gumma 3718511/Japan/; Gunma Univ,Grad Sch Med, Dept Med & Biol Sci,Maebashi/Gumma 3718511/Japan/ (itakurah@med.gunma-u.ac.jp)
Journal: GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, 2006 , V244, N2 (FEB), P226-231
ISSN: 0721-832X Publication date: 20060200
Publisher: SPRINGER, 233 SPRING STREET, NEW YORK, NY 10013 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Identifiers-- **PROLIFERATIVE DIABETIC - RETINOPATHY ; CYSTOID MACULAR EDEMA; BLOOD-RETINAL BARRIER; INTRAVITREAL TRIAMCINOLONE; CRYSTALLINE CORTISONE ; INTRAOCULAR INJECTION; ADJUNCTIVE TREATMENT; ANGIOGENESIS; PERMEABILITY; VITRECTOMY**

19/3,K/4 (Item 2 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

14527497 Genuine Article#: 982RF No. References: 26
Title: Intravitreal triamcinolone for treatment of complicated proliferative diabetic retinopathy and proliferative vitreoretinopathy
Author(s): Munir WM; Pulido JS (REPRINT) ; Sharma MC; Buerk BM
Corporate Source: Mayo Clin & Mayo Fdn,200 1st St SW/Rochester//MN/55905 (REPRINT); Mayo Clin & Mayo Fdn,Rochester//MN/55905; Univ Illinois,Chicago Eye & Ear Infir, Dept Ophthalmol & Visual Sci,Chicago//IL/(pulido.jose@mayo.edu)
Journal: CANADIAN JOURNAL OF OPHTHALMOLOGY-JOURNAL CANADIEN D OPHTALMOLOGIE , 2005, V40, N5 (OCT), P598-604
ISSN: 0008-4182 Publication date: 20051000
Publisher: CANADIAN OPHTHAL SOC, 1525 CARLING AVE SUITE 610, OTTAWA, ONTARIO K1Z 8R9, CANADA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Intravitreal triamcinolone for treatment of complicated proliferative diabetic retinopathy and proliferative vitreoretinopathy

...Abstract: in conjunction with pars plana vitrectomy and silicone oil injection for the treatment of complicated proliferative diabetic retinopathy with tractional retinal detachment and severe proliferative vitreoretinopathy.

Methods: Thirteen eyes of 12 consecutive patients were identified from a computerized patient database...

...in the setting of pars plana vitrectomy and silicone oil injection for the treatment of proliferative vitreoretinopathy and complicated proliferative diabetic retinopathy appears to be well tolerated. Further controlled study is needed to clearly define the potential...

...Identifiers--**PARS-PLANA VITRECTOMY; SILICONE OIL; CRYSTALLINE CORTISONE ; INTRAOCULAR-PRESSURE; MACULAR DEGENERATION; ADJUNCTIVE TREATMENT; FILLED EYES; FOLLOW-UP; ACETONIDE; INJECTION**

19/3,K/5 (Item 3 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
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13573728 Genuine Article#: 893LE No. References: 49
Title: Exudative age-related macular degeneration treated by intravitreal triamcinolone acetonide. A prospective comparative nonrandomized study
Author(s): Jonas JB (REPRINT) ; Degenring RF; Kreissig I; Friedemann T; Akkoyun I
Corporate Source: Univ Augenklin,Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ Heidelberg,Dept Ophthalmol, Fac Clin Med Mannheim,Heidelberg//Germany/ (Jost.Jonas@ma.augen.uni-heidelberg.de)
Journal: EYE, 2005, V19, N2 (FEB), P163-170
ISSN: 0950-222X Publication date: 20050200
Publisher: NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Identifiers--RETINAL VEIN OCCLUSION; SUBFOVEAL CHOROIDAL NEOVASCULARIZATION; PROLIFERATIVE DIABETIC - RETINOPATHY ; CRYSTALLINE CORTISONE ; PHOTODYNAMIC THERAPY; ADJUNCTIVE TREATMENT; INTRAOCULAR-PRESSURE; EDEMA; INJECTION; VERTEPORFIN

19/3,K/6 (Item 4 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

13415540 Genuine Article#: 877XP No. References: 11
Title: Intravitreal triamcinolone acetonide for florid proliferative diabetic retinopathy
Author(s): Bandello F (REPRINT) ; Pognuz DR; Pirracchio A; Polito A
Corporate Source: Univ Udine,Dept Ophthalmol,I-33100 Udine//Italy/ (REPRINT); Univ Udine,Dept Ophthalmol,I-33100 Udine//Italy/ (francesco.bandello@uniud.it)
Journal: GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, 2004, V242, N12 (DEC), P1024-1027
ISSN: 0721-832X Publication date: 20041200
Publisher: SPRINGER, 233 SPRING STREET, NEW YORK, NY 10013 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Intravitreal triamcinolone acetonide for florid proliferative diabetic retinopathy
...Abstract: been expanding. Methods: Prospective clinical interventional case study in a young adult male with florid proliferative diabetic retinopathy (FPDR). Results: A greater reduction of retinal thickening and fluorescein leakage from retinal new vessels...
...Identifiers--CYSTOID MACULAR EDEMA; RETINAL VEIN OCCLUSION; CRYSTALLINE CORTISONE ; ADJUNCTIVE TREATMENT; INJECTION

19/3,K/7 (Item 5 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

12601687 Genuine Article#: 803XD No. References: 112
Title: Intravitreal triamcinolone acetonide for the treatment of intraocular edematous and neovascular diseases
Author(s): Jonas JB (REPRINT) ; Kreissig I; Kamp Peter B; Degenring RF

Corporate Source: Univ Heidelberg, Augenklin, Fak Klin Med Mannheim, Theodor
Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ
Heidelberg, Augenklin, Fak Klin Med Mannheim, D-68167 Mannheim//Germany/
Journal: OPHTHALMOLOGE, 2004, V101, N2 (FEB), P113-120
ISSN: 0941-293X Publication date: 20040200
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA
Language: German Document Type: REVIEW (ABSTRACT AVAILABLE)

...Abstract: triamcinolone acetonide has exponentially increased as a treatment option for various intraocular neovascular and edematous proliferative disorders.

Methods and results. The best response to intravitreal triamcinolone acetonide injection in terms of...

...ophthalmia. Intravitreal triamcinolone may be useful as anglostatic therapy in eyes with iris neovascularization and, proliferative ischemic retinopathies. Possibly, intravitreal triamcinolone may be helpful for exudative age-related macular degeneration, alone...

...Identifiers--CYSTOID MACULAR EDEMA; RETINAL VEIN OCCLUSION; PARS-PLANA VITRECTOMY; PROLIFERATIVE DIABETIC - RETINOPATHY ; TREATED RAT MODEL; CHOROIDAL NEOVASCULARIZATION; CRYSTALLINE CORTISONE ; ADJUNCTIVE TREATMENT; NONINFECTIOUS ENDOPHTHALMITIS; ENDOTHELIAL-CELLS

19/3,K/8 (Item 6 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

12380465 Genuine Article#: 759FR No. References: 32
Title: Possible benefits of triamcinolone-assisted pars plana vitrectomy for retinal diseases
Author(s): Enaida H; Hata Y; Ueno A; Nakamura T; Hisatomi T; Miyazaki M; Fujisawa K; Sakamoto T; Ishibashi T (REPRINT)
Corporate Source: Kyushu Univ, Grad Sch Med Sci, Dept Ophthalmol, Higashi Ku, 3-1-1 Maidashi/Fukuoka 8128582//Japan/ (REPRINT); Kyushu Univ, Grad Sch Med Sci, Dept Ophthalmol, Higashi Ku, Fukuoka 8128582//Japan/
Journal: RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES, 2003, V23, N6 (DEC), P764-770
ISSN: 0275-004X Publication date: 20031200
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: mmHg after the operation, with no statistically significant difference (P = 0.63). Four eyes with proliferative diabetic retinopathy in group TA(+) and five eyes with proliferative diabetic retinopathy in group TA(-) needed an additional filtering surgery. Group TA(+) (five eyes) had a lower...

...Identifiers--EXPERIMENTAL PROLIFERATIVE VITREORETINOPATHY; INTRAVITREAL TRIAMCINOLONE; DIABETIC - RETINOPATHY ; INTRAOCULAR PROLIFERATION; CRYSTALLINE CORTISONE ; MACULAR DEGENERATION; ADJUNCTIVE TREATMENT; STEROID INJECTIONS; ACETONIDE; NEOVASCULARIZATION

19/3,K/9 (Item 7 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

11860381 Genuine Article#: 704NU No. References: 21

Title: Pars plana vitrectomy assisted by triamcinolone acetonide for refractory uveitis: a case series study
Author(s): Sonoda KH (REPRINT) ; Enaida H; Ueno A; Nakamura T; Kawano YI; Kubota T; Sakamoto T; Ishibashi T
Corporate Source: Kyushu Univ,Dept Ophthalmol, Grad Sch Med Sci, Higashi Ku,3-1-1 Maidashi/Fukuoka 8128582//Japan/ (REPRINT); Kyushu Univ,Dept Ophthalmol, Grad Sch Med,Fukuoka 812//Japan/; Kagoshima Univ,Dept Ophthalmol,Kagoshima 890//Japan/
Journal: BRITISH JOURNAL OF OPHTHALMOLOGY, 2003, V87, N8 (AUG), P1010-1014
ISSN: 0007-1161 Publication date: 20030800
Publisher: BRITISH MED JOURNAL PUBL GROUP, BRITISH MED ASSOC HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: acetonide (TA) assisted pars plana vitrectomy (PPV) for refractory uveitis.

Methods: Six patients suffering from proliferative vitreoretinopathy (PVR) with refractory uveitis underwent a TA assisted PPV. The patients consisted of one...

...Identifiers-- **PROLIFERATIVE DIABETIC - RETINOPATHY ; INTRAVITREAL TRIAMCINOLONE; INTRAOCULAR PROLIFERATION; CRYSTALLINE CORTISONE ; MACULAR DEGENERATION; ADJUNCTIVE TREATMENT; VITREORETINOPATHY; INJECTION; CLEARANCE**

19/3,K/10 (Item 8 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

11843267 Genuine Article#: 701CZ No. References: 24
Title: Intravitreal triamcinolone acetonide as an additional tool in pars plana vitrectomy for proliferative diabetic retinopathy
Author(s): Jonas JB (REPRINT) ; Sofker A; Degenring R
Corporate Source: Univ Heidelberg,Augenkl, Dept Ophthalmol, Fac Clin Med Mannheim,Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ Heidelberg,Augenkl, Dept Ophthalmol, Fac Clin Med Mannheim,D-68167 Mannheim//Germany/; Univ Heidelberg,Hosp Eye, Fac Clin Med Mannheim,D-68167 Mannheim//Germany/
Journal: EUROPEAN JOURNAL OF OPHTHALMOLOGY, 2003, V13, N5 (JUN), P468-473
ISSN: 1120-6721 Publication date: 20030600
Publisher: WICHTIG EDITORE, 72/74 VIA FRIULI, 20135 MILAN, ITALY
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Intravitreal triamcinolone acetonide as an additional tool in pars plana vitrectomy for proliferative diabetic retinopathy
...Abstract: intravitreal injections of crystalline triamcinolone acetonide as an adjunctive procedure in pars plana vitrectomy for proliferative diabetic retinopathy .

METHODS. This nonrandomized comparative study included 30 patients (32 eyes) who underwent standardized pars plana vitrectomy for treatment of proliferative diabetic retinopathy and who received an intravitreal injection of 25 mg triamcinolone acetonide at the end of...

...the study group for preoperative and intraoperative parameters and who underwent pars plana vitrectomy for proliferative diabetic retinopathy without intravitreal injection of triamcinolone acetonide.

RESULTS. The study group and the control group did...

...use of 25 mg intravitreal triamcinolone acetonide combined with pars plana vitrectomy as treatment of **proliferative diabetic retinopathy**.

...Identifiers--**EXUDATIVE MACULAR DEGENERATION; RETINAL VEIN OCCLUSION; CRYSTALLINE CORTISONE; ADJUNCTIVE TREATMENT; INTRAOCULAR-PRESSURE; INJECTION; EDEMA; UVEITIS**

19/3,K/11 (Item 9 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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11169758 Genuine Article#: 615WX No. References: 5

Title: Intravitreal triamcinolone acetonide for cataract surgery with iris neovascularization

Author(s): Jonas JB (REPRINT) ; Sofker A

Corporate Source: Univ Heidelberg, Augenklin, Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ Heidelberg, Fac Clin Med Mannheim, Dept Ophthalmol, Heidelberg//Germany/; Univ Heidelberg, Fac Clin Med Mannheim, Hosp Eye, Heidelberg//Germany/

Journal: JOURNAL OF CATARACT AND REFRACTIVE SURGERY, 2002, V28, N11 (NOV), P2040-2041

ISSN: 0886-3350 Publication date: 20021100

Publisher: ELSEVIER SCIENCE INC, 360 PARK AVE SOUTH, NEW YORK, NY 10010-1710 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Abstract: A 73-year-old patient with **proliferative diabetic retinopathy** presented with marked iris neovascularization and dense cataract that prevented retinal laser coagulation. To prevent...

...Identifiers--**CRYSTALLINE CORTISONE; ADJUNCTIVE TREATMENT; INJECTION**

19/3,K/12 (Item 10 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

10908801 Genuine Article#: 580GA No. References: 23

Title: Intravitreal injection of crystalline triamcinolone acetonide in the treatment of diffuse diabetic macular oedema

Author(s): Jonas JB (REPRINT) ; Degenring R

Corporate Source: Univ Heidelberg, Augenklin, Fak Klin Med Mannheim, Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ

Heidelberg, Augenklin, Fak Klin Med Mannheim, D-68167 Mannheim//Germany/

Journal: KLINISCHE MONATSBLATTER FUR AUGENHEILKUNDE, 2002, V219, N6 (JUN), P429-432

ISSN: 0023-2165 Publication date: 20020600

Publisher: GEORG THIEME VERLAG KG, RUDIGERSTR 14, D-70469 STUTTGART, GERMANY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Identifiers--**ADJUNCTIVE TREATMENT; PROLIFERATIVE VITREORETINOPATHY; CORTISONE; EDEMA; ENDOPHTHALMITIS**

19/3,K/13 (Item 11 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

10831426 Genuine Article#: 574RX No. References: 29

Title: Triamcinolone-assisted pars plana vitrectomy improves the surgical procedures and decreases the postoperative blood-ocular barrier breakdown

Author(s): Sakamoto T (REPRINT) ; Miyazaki M; Hisatomi T; Nakamura T; Ueno A; Itaya K; Ishibashi T

Corporate Source: Kyushu Univ, Kyushu Koseinenkin HOsp, Fac Med, Grad Sch Med Sci, Fukuoka 812//Japan/ (REPRINT); Kyushu Univ, Kyushu Koseinenkin HOsp, Fac Med, Grad Sch Med Sci, Fukuoka 812//Japan/; Kyushu Univ, Dept Ophthalmol, Fac Med, Higashi Ku, Fukuoka 81282//Japan/; Kyushu Univ, Med Informat Serv, Fac Med, Grad Sch Med Sci, Fukuoka//Japan/

Journal: GRAEFS ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, 2002, V240, N6 (JUN), P423-429

ISSN: 0721-832X Publication date: 20020600

Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: visibility of hyaloid during surgery and the postoperative clinical outcome. Methods: Thirty-one patients with proliferative retinal disease [8 with diabetic macular edema (DME), 10 with proliferative diabetic retinopathy (PDR), 13 with proliferative vitreoretinopathy (PVR)] underwent PPV, where the vitreous body was visualized by the intravitreal injection of...

...term effects are still unknown, this method appears potentially useful as an improved treatment for proliferative retinal diseases.

...Identifiers--EXPERIMENTAL PROLIFERATIVE VITREORETINOPATHY; INTRAVITREAL TRIAMCINOLONE; INTRAOCULAR PROLIFERATION; CRYSTALLINE CORTISONE; DIABETIC - RETINOPATHY; ADJUNCTIVE TREATMENT; STEROID INJECTIONS; CORTICOSTEROIDS; ACETONIDE; NEOVASCULARIZATION

19/3, K/14 (Item 12 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

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09927791 Genuine Article#: 466RH No. References: 19

Title: Regression of neovascular iris vessels by intravitreal injection of crystalline cortisone

Author(s): Jonas JB (REPRINT) ; Hayler JK; Sofker A; Panda-Jonas S

Corporate Source: Univ Heidelberg, Augenklin, Theodor Kutzer Ufer 1-3/D-68167 Mannheim//Germany/ (REPRINT); Univ Heidelberg, Dept Ophthalmol, Heidelberg//Germany/; Univ Heidelberg, Hosp Eye, Fac Clin Med Mannheim, Heidelberg//Germany/; Univ Erlangen Nurnberg, Dept Ophthalmol, D-8520 Erlangen//Germany/; Univ Erlangen Nurnberg, Hosp Eye, D-8520 Erlangen//Germany/

Journal: JOURNAL OF GLAUCOMA, 2001, V10, N4 (AUG), P284-287

ISSN: 1057-0829 Publication date: 20010800

Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Regression of neovascular iris vessels by intravitreal injection of crystalline cortisone

...Abstract: Methods: The study included 14 eyes of 14 patients with secondary neovascular glaucoma attributable to proliferative diabetic retinopathy (n = 9) or ischemic central retinal vein occlusion (n = 5). All patients received an intravitreal...

...3 +/- 1.2 relative units. When considering only the four patients for

whom the intraocular **cortisone** injection was the only procedure performed, mean intraocular pressure decreased from 26.5 +/- 12.1 mm Hg to 21.75 +/- 11.3 mm Hg.

Conclusions: Intravitreal injection of crystalline **cortisone** with most of the vehicle removed may be a potentially useful additional tool in the...

...Identifiers--TRIAMCINOLONE ACETONIDE; **PROLIFERATIVE VITREORETINOPATHY**; **INTRAOCULAR PROLIFERATION**; **ENDOPHTHALMITIS**; **CORTICOSTEROIDS**; **INHIBITION**; **TOXICITY**

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Set	Items	Description
S1	344505	DEXAMETHASONE OR FLUROMETHALONE OR MEDRYSONE OR BETAMETHASONE OR TRIAMCINOLONE OR TRIAMCINOLONE OR PREDNISONE OR PREDNISOLONE OR HYDROCORTISONE OR RIMEXOLONE
S2	121652	PREDINICARBATE OR DEFLAZACORT OR HALOMETHASONE OR TIXOCORTOL OR PREDNYLIDEN OR DIETHYLAMINOACETATE OR PREDNIVAL OR PARAMETHASONE OR ?PARAMETHASONE OR MEPREDNISONE OR MAZIPREDONE OR ?FLUOPREDONE OR ?PREDONE OR HALCINONIDE OR FORMOCORTAL OR FLUOCORTOLONE OR
S3	257198	EDEMA OR RETINOPATH?
S4	7468	S1 AND S3
S5	936	S2 AND S3
S6	779	RETINAL()EDEMA
S7	52	S1 AND S6
S8	36	RD (unique items)
S9	0	S8 AND AY<=2003
S10	24	S8 AND PY<=2003
S11	1	S6 AND S2
S12	34523	DIABETIC()RETINO?
S13	446	S12 AND S1
S14	7759	PROLIFERATIVE AND (DIABETIC()RETINO?)
S15	99	S14 AND S1
S16	66	RD (unique items)
S17	28	S16 AND PY<=2003
S18	17	S14 AND S2
S19	14	RD (unique items)

? logoff

18may06 15:31:36	User291213	Session D18.2
\$16.52	2.800	DialUnits File5
\$3.84	24	Type(s) in Format 95 (KWIC)
\$3.84	24	Types
\$20.36	Estimated cost File5	
\$46.37	1.976	DialUnits File34
\$190.96	28	Type(s) in Format 3
\$190.96	28	Types
\$237.33	Estimated cost File34	
\$33.29	1.418	DialUnits File434
\$33.29	Estimated cost File434	
\$6.06	0.689	DialUnits File71
\$1.28	1	Type(s) in Format 3
\$1.28	1	Types
\$7.34	Estimated cost File71	
\$9.45	2.781	DialUnits File155
\$3.08	14	Type(s) in Format 3
\$3.08	14	Types
\$12.53	Estimated cost File155	
OneSearch, 5 files, 9.664 DialUnits FileOS		
\$6.66	TELNET	
\$317.51	Estimated cost this search	

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Last logoff: 10may06 15:58:41
Logon file001 18may06 14:01:18

*** ANNOUNCEMENTS ***

NEW FILES RELEASED

***Regulatory Affairs Journals (File 183)
***Index Chemicus (File 302)
***Inspec (File 202)

RESUMED UPDATING

***File 141, Reader's Guide Abstracts

RELOADS COMPLETED

***File 516, D&B--Dun's Market Identifiers
***File 523, D&B European Dun's Market Identifiers
***File 531, American Business Directory
*** MEDLINE has been reloaded with the 2006 MeSH (Files 154 & 155)
*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

DATABASES REMOVED

***File 196, FINDEX
***File 468, Public Opinion Online (POLL)

Chemical Structure Searching now available in Prous Science Drug Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

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>>>a specific database by entering HELP NEWS <file number>.<<<

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18may06 14:02:59 User291213 Session D17.1

\$0.41 0.118 DialUnits File1

\$0.41 Estimated cost File1

\$0.53 TELNET

\$0.94 Estimated cost this search

\$0.94 Estimated total session cost 0.118 DialUnits

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File 5:Biosis Previews(R) 1969-2006/May W2
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File 34:SciSearch(R) Cited Ref Sci 1990-2006/May W2
(c) 2006 Inst for Sci Info

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
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Set	Items	Description
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? e	edema	
Ref	Items	Index-term
E1	1	EDEM STUDY
E2	1	EDEM, INTERSTIAL, LUNG
E3	103975	*EDEMA
E4	1120	EDEMA (MESH)
E5	1	EDEMA (REDUCED)
E6	1	EDEMA (REINKE)
E7	1	EDEMA ACID PHOSPHATASE UDP GLUCOSE TRANSFERASE
E8	1	EDEMA ADMINISTRATION
E9	1	EDEMA ADVERSE EXPERIENCE
E10	1	EDEMA AGGRAVATION
E11	1	EDEMA AIRWAY RESISTANCE
E12	1	EDEMA ALBUMIN GLOBULIN MUSCULAR LYMPH DRAINAGE

Enter P or PAGE for more

Set	Items	Description
? e	retinal()edema	
Ref	Items	Index-term
E1	1	RETINAL 9-METHYL
E2	1	RETINAL 9-METHYL GROUP
E3	0	*RETINAL()EDEMA
E4	2	RETINAL-ACTIVE
E5	1	RETINAL-ANALOG
E6	2	RETINAL-ANLAGE TUMOR
E7	1	RETINAL-ANTIGEN
E8	1	RETINAL-ANTIGEN SPECIFIC LYMPHOCYTES
E9	11	RETINAL-ARTERY
E10	7	RETINAL-ARTERY-OCCLUSION
E11	1	RETINAL-ASYMMETRY DIFFERENCE
E12	1	RETINAL-ATTACHMENT

Enter P or PAGE for more

Set	Items	Description
? s	retinal()edema	
	168507	RETINAL
	103975	EDEMA
	S1	506 RETINAL()EDEMA
? s	glucocorticoid	
	S2	74431 GLUCOCORTICOID
? s	s1 and s2	
	506	S1
	74431	S2
	S3	5 S1 AND S2
? d	s3	
	Display 3/2/1 (Item 1 from file: 5)	

DIALOG(R) File 5:Biosis Previews(R)
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0015607339 BIOSIS NO.: 200510301839
The effects of intravitreal triamcinolone acetonide (TA) on collateral
damage induced by verteporfin PDT in normal rabbits and cynomolgus
monkeys
AUTHOR: Burke J A (Reprint); Lin T; Jackson B; Zhang K-M; Orilla W; Yang J;
Kulkarni A D; Tzekov R; Kuppermann B D; Wheeler L
AUTHOR ADDRESS: Allergan Pharmaceut Inc, Irvine, CA USA**USA
JOURNAL: IOVS 45 (Suppl. 1): pu732 APR 2004 2004
CONFERENCE/MEETING: Annual Meeting of the

Association-for-Research-in-Vision-and-Ophthalmology Ft Lauderdale, FL,
USA April 24 -29, 2004; 20040424

SPONSOR: Assoc Res Vis & Ophthalmol

ISSN: 0146-0404

DOCUMENT TYPE: Meeting; Meeting Poster

RECORD TYPE: Abstract

LANGUAGE: English

REGISTRY NUMBERS: 129497-78-5: verteporfin; 76-25-5: triamcinolone
acetonide

DESCRIPTORS:

MAJOR CONCEPTS: Pharmacology; Sense Organs--Sensory Reception

BIOSYSTEMATIC NAMES: Cercopithecidae--Primates, Mammalia, Vertebrata,
Chordata, Animalia; Leporidae--Lagomorpha, Mammalia, Vertebrata,
Chordata, Animalia

ORGANISMS: Cynomolgus monkey (Cercopithecidae)--animal model;

Dutch-belted rabbit (Leporidae)--animal model

ORGANISMS: PARTS ETC: eye--sensory system; macula--sensory system;
choroid--sensory system; fundus--sensory system; retina--sensory system
, thickness

COMMON TAXONOMIC TERMS: Nonhuman Primates; Primates; Animals; Chordates;
Lagomorphs; Mammals; Nonhuman Vertebrates; Nonhuman Mammals;
Vertebrates

DISEASES: **retinal edema** --eye disease, drug therapy, diagnosis,
etiology; choroidal hypoperfusion--eye disease, drug therapy,
diagnosis, etiology; retinal neurosensory dysfunction--nervous system
disease, eye disease, drug therapy, diagnosis, etiology

CHEMICALS & BIOCHEMICALS: verteporfin--toxicity; triamcinolone
acetonide--antiinflammatory-drug, ophthalmic-drug, **glucocorticoid**
-drug, efficacy, intravitreal administration

METHODS & EQUIPMENT: electroretinography--laboratory techniques, imaging
and microscopy techniques; photodynamic therapy {PDT}--laboratory
techniques; color funduscopy--clinical techniques, diagnostic
techniques; fluorescein angiography {FA}--laboratory techniques,
imaging and microscopy techniques; optical coherence tomography {OCT}--
laboratory techniques, imaging and microscopy techniques; indocyanine
green angiography {ICGA}--laboratory techniques, imaging and
microscopy techniques

CONCEPT CODES:

00520 General biology - Symposia, transactions and proceedings

10067 Biochemistry studies - Sterols and steroids

12504 Pathology - Diagnostic

12512 Pathology - Therapy

20004 Sense organs - Physiology and biochemistry

20006 Sense organs - Pathology

20506 Nervous system - Pathology.

22002 Pharmacology - General

22012 Pharmacology - Connective tissue, bone and collagen-acting drugs

22016 Pharmacology - Endocrine

22031 Pharmacology - Sense organs, associated structures and functions

22501 Toxicology - General and methods

22504 Toxicology - Pharmacology

BIOSYSTEMATIC CODES:

86205 Cercopithecidae

86040 Leporidae

- end of record -

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? t s3/full/2-3

3/9/2 (Item 2 from file: 5)

DIALOG(R) File 5:Biosis Previews(R)
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0015605938 BIOSIS NO.: 200510300438

Corticosteroids inhibit VEGF-Induced vascular leakage in a novel rabbit model of blood-retinal and blood-aqueous barrier breakdown.

AUTHOR: Edelman J L (Reprint); Lutz D

AUTHOR ADDRESS: Allergan Pharmaceut Inc, Irvine, CA USA**USA

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ABSTRACT: Purpose: The potent vascular permeability factor VEGF is believed to be a key mediator of diabetic macular edema (DME). In DME patients, a single intravitreal injection of the corticosteroid triamcinolone acetonide (TAA) reduces edematous retinal swelling and improves visual acuity. Taken together, these observations suggest that corticosteroids are inhibitors of VEGF signaling in vivo. The aim of the current study was to evaluate the effects of dexamethasone (DEX) and TAA in a novel rabbit model of VEGF-induced retinal and iris vascular leakage. Methods: Recombinant human VEGF(165) or vehicle was injected intravitreally in female Dutch Belt rabbits, and scanning ocular fluorophotometry was used one to seven days after injection to non-invasively measure vitreoretinal and anterior chamber fluorescein leakage. VEGF-induced retinal vasculopathy was also assessed with fundus photography, ocular coherence tomography, and fluorescein angiography. During pharmacology studies, rabbits received either vehicle (s.c. or intravitreal), DEX (2 mg/kg daily, s.c.), TAA (2 mg, intravitreal), or indomethacin (20 mg/kg daily, s. c.). Results: Intravitreal VEGF induced a time and dose-dependent increase in retinal and iris vascular leakage. Maximal VEGF-induced leakage was elicited using 500 ng VEGF measured 48 hours after intravitreal injection. VEGF also caused marked retinal vasodilation, vessel tortuosity, fluorescein leakage from superficial retinal vessels, and inner **retinal edema**. In a 3 day study, the corticosteroid DEX completely blocked VEGF-induced blood-retinal and blood-aqueous barrier breakdown. In the same study, the non-steroidal anti-inflammatory drug, indomethacin, had no affect. In an independent study, using multiple VEGF challenges, 2 mg intravitreal TAA completely blocked VEGF-induced retinal and iris leakage for up to 45 days. Conclusions: A single intravitreal VEGF injection in rabbit caused a time and dose-dependent breakdown of the blood-retinal and blood-aqueous barriers. Intravitreal VEGF-induced vascular leakage was transient and repeatable. The corticosteroids DEX and TAA completely blocked intravitreal VEGF-induced retinal and iris vascular leakage. Our results indicate that corticosteroids are antagonists of downstream VEGF signaling in ocular tissues.

REGISTRY NUMBERS: 50-02-2: dexamethasone; 53-86-1: indomethacin; 127464-60-2: VEGF

DESCRIPTORS:

MAJOR CONCEPTS: Sense Organs--Sensory Reception

BIOSYSTEMATIC NAMES: Leporidae--Lagomorpha, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: Dutch Belt rabbit (Leporidae)

ORGANISMS: PARTS ETC: retina--sensory system; iris--sensory system

COMMON TAXONOMIC TERMS: Animals; Chordates; Lagomorphs; Mammals; Nonhuman

Vertebrates; Nonhuman Mammals; Vertebrates
DISEASES: VEGF-induced vascular leakage--injury, eye disease
CHEMICALS & BIOCHEMICALS: dexamethasone-- **glucocorticoid** -drug;
indomethacin--enzyme inhibitor-drug; VEGF; triamcinolone acetonide

CONCEPT CODES:

00520 General biology - Symposia, transactions and proceedings
10060 Biochemistry studies - General
10064 Biochemistry studies - Proteins, peptides and amino acids
12512 Pathology - Therapy
17002 Endocrine - General
20004 Sense organs - Physiology and biochemistry
20006 Sense organs - Pathology
22016 Pharmacology - Endocrine

BIOSYSTEMATIC CODES:

86040 Leporidae

3/9/3 (Item 3 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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Corticosteroids inhibit VEGF-induced vascular leakage in a rabbit model of blood-retinal and blood-aqueous barrier breakdown
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ABSTRACT: Purpose: Recent clinical studies show that a single intravitreal injection of the corticosteroid triamcinolone acetonide (TAA) may reduce edematous retinal swelling and improve visual acuity in patients with diabetic macular edema (DME). In addition, clinical and experimental studies strongly suggest that blood-retinal barrier breakdown in diabetes is induced by vascular endothelial growth factor (VEGF). These results suggest that corticosteroids may modulate VEGF-mediated responses in vivo. To test this hypothesis directly, the current study evaluated the effects of TAA and dexamethasone (DEX) in a newly developed rabbit model of VEGF-induced blood-retinal barrier and blood-aqueous (iris) barrier breakdown. Methods: VEGF165 or vehicle was injected intravitreally in female Dutch Belt rabbits, and scanning ocular fluorophotometry was used to non-invasively measure fluorescein leakage from retinal and iris vasculature. VEGF-induced retinal vasculopathy was further assessed with fundus imaging, fluorescein angiography, and ocular coherence tomography. For pharmacologic studies, rabbits were treated with either DEX (2 mg kg⁻¹ daily, s.c.), TAA (2 or 4 mg, intravitreal), indomethacin (20 mg kg⁻¹ daily, s.c.), or vehicle (s.c. or intravitreal). Human umbilical vein endothelial cells (HUVEC) were loaded with the fluorescent Ca²⁺ indicator dye fluo-4 and treated with dexamethasone (0.1-10 μM) or vehicle for either 2 or 24 hr prior to stimulation with 10 ng ml⁻¹ VEGF165. Results: VEGF injected intravitreally induced a time and dose-dependent breakdown of the blood-retinal and blood-aqueous barriers. Maximal vascular leakage was measured at 48 hr after intravitreal injection with a dose of 500 ng VEGF. Other effects of VEGF included prominent retinal vasodilation, vessel tortuosity, fluorescein leakage

from retinal vessels, and inner **retinal edema**. These VEGF-mediated responses are transient and approach baseline by 1 week. VEGF-induced blood-retinal and blood-aqueous barrier breakdown was completely blocked by the corticosteroid DEX administered systemically for 3 days. In contrast, the non-steroidal anti-inflammatory drug, indomethacin, had no effect. In a separate study with VEGF injected intravitreally at six different time points over 5 months, a single intravitreal 2 mg dose of TAA completely blocked VEGF-induced retinal and iris leakage for 45 days. VEGF/VEGF receptor-2-mediated Ca²⁺ mobilization in endothelial cells was not affected by 2 or 24 hr pretreatment with dexamethasone. Conclusion: These results indicate that one mechanism by which corticosteroids block blood-ocular barrier breakdown and edema is via their modulation of signaling or effector proteins downstream of the VEGF receptor. Copyright 2004 Elsevier Ltd. All rights reserved.

REGISTRY NUMBERS: 14127-61-8: calcium ion; 50-02-2: dexamethasone; 273221-59-3: fluo-4; 2321-07-5: fluorescein; 53-86-1: indomethacin; 76-25-5: triamcinolone acetonide; 127464-60-2: vascular endothelial growth factor

DESCRIPTORS:

MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Blood and Lymphatics--Transport and Circulation; Pharmacology; Sense Organs--Sensory Reception

BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia; Leporidae--Lagomorpha, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: HUVEC cell line (Hominidae)--human umbilical vein endothelial cells; rabbit (Leporidae)--strain-Dutch Belt

ORGANISMS: PARTS ETC: blood-aqueous barrier--blood and lymphatics, sensory system; blood-retinal barrier--blood and lymphatics, sensory system; iris--sensory system; retina--sensory system

COMMON TAXONOMIC TERMS: Humans; Primates; Animals; Chordates; Lagomorphs; Mammals; Nonhuman Vertebrates; Nonhuman Mammals; Vertebrates

DISEASES: blood-aqueous barrier breakdown--eye disease, drug therapy; blood-retinal barrier breakdown--eye disease, drug therapy; diabetes--endocrine disease/pancreas, metabolic disease; diabetic macular edema--endocrine disease/pancreas, eye disease, metabolic disease, drug therapy; inner **retinal edema**--eye disease

MESH TERMS: Diabetes Mellitus (MeSH); Macular Edema, Cystoid (MeSH); Diabetic Retinopathy (MeSH)

CHEMICALS & BIOCHEMICALS: calcium ion; corticosteroids--antiinflammatory-drug, immunologic-drug, ophthalmic-drug; dexamethasone--antiinflammatory-drug, **glucocorticoid** -drug, immunologic-drug, subcutaneous administration; fluo-4--fluorescent calcium ion inhibitor dye; fluorescein; indomethacin--antiinflammatory-drug, enzyme inhibitor-drug, immunologic-drug, ophthalmic-drug, subcutaneous administration; triamcinolone acetonide--antiinflammatory-drug, immunologic-drug, ophthalmic-drug, intravitreal administration; vascular endothelial growth factor (VEGF); vascular endothelial growth factor receptor

METHODS & EQUIPMENT: fluorescein angiography--clinical techniques, diagnostic techniques, imaging and microscopy techniques, laboratory techniques; ocular coherence tomography--clinical techniques, diagnostic techniques, imaging and microscopy techniques, laboratory techniques; scanning ocular fluorophotometry--laboratory techniques, spectrum analysis techniques

MISCELLANEOUS TERMS: fluorescein leakage; retinal vasodilation; vascular leakage; vessel tortuosity; visual acuity

CONCEPT CODES:

10060 Biochemistry studies - General

10064 Biochemistry studies - Proteins, peptides and amino acids

10067 Biochemistry studies - Sterols and steroids
10069 Biochemistry studies - Minerals
12512 Pathology - Therapy
13020 Metabolism - Metabolic disorders
15002 Blood - Blood and lymph studies
15004 Blood - Blood cell studies
17002 Endocrine - General
17008 Endocrine - Pancreas
20004 Sense organs - Physiology and biochemistry
20006 Sense organs - Pathology
22002 Pharmacology - General
22005 Pharmacology - Clinical pharmacology
22012 Pharmacology - Connective tissue, bone and collagen-acting drugs
22016 Pharmacology - Endocrine
22018 Pharmacology - Immunological processes and allergy
22031 Pharmacology - Sense organs, associated structures and functions

BIOSYSTEMATIC CODES:

86215 Hominidae
86040 Leporidae

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Set	Items	Description
S1	506	RETINAL()EDEMA
S2	74431	GLUCOCORTICOID
S3	5	S1 AND S2

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